SIOUX AUTOMATION CENTER, INC.

# MaxiMixer
# MODEL 2050

# OPERATION AND MAINTENANCE MANUAL

**877 1st. AVE. NW Sioux Center, IA. 51250 Iowa 1-712-722-1488**

www.siouxautomation.com

MON600127
12/7/04
$15

**TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.**

**THIS SYMBOL MEANS**

**- ATTENTION!**
**- BECOME ALERT!**
**- YOUR SAFETY IS INVOLVED!**

**SIGNAL WORDS:**

Note the use of the signal words DANGER, WARNING and CAUTION with the safety messages. The appropriate Signal word for each has been selected using the following guidelines:

**DANGER**: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations typically for machine components that cannot be guarded for functional purposes.

**WARNING**: Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

**CAUTION**: Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

If you have any questions not answered in this manual or require additional copies or the manual is damaged, please contact your dealer or Sioux Automation Center, Inc., 877 1st Avenue N.W., Sioux Center, IA, 51250. (Telephone) 712-722-3711, (Fax) 712-722-3706.

## SAFETY ALERT SYMBOL

- THE SAFETY ALERT SYMBOL IS USED TO PINPOINT CHARACTERISTICS WHICH IF NOT PROPERLY FOLLOWED CAN CREATE A SAFETY HAZARD.

- WHEN YOU SEE THIS SYMBOL IN THIS MANUAL OR ON THE UNIT ITSELF, YOU ARE REMINDED TO:

**BE ALERT!**
**YOUR PERSONAL SAFETY IS INVOLVED!**

# SAFETY FIRST

**FARM AND INDUSTRIAL EQUIPMENT INSTITUTE SAFETY ALERT SYMBOL.**

This symbol is used preceding all **CAUTION** (a general safety reminder), **WARNING** (denotes a potential hazard), and **DANGER** (denotes a potential injury) notices!

Most farm accidents, like industrial, home, and highway accidents are caused by the failure of some individuals to observe simple and fundamental safety rules or precautions. For this reason, farm accidents, just as other types of accidents, can be prevented by recognising the causes of accidents and doing something about them before an accident occurs.

Regardless of the care used in the design and construction of farm equipment, there are many points that cannot be completely safeguarded without interfering with accessibility and efficient operation.

**A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT**

The complete observance of one simple rule would prevent many thousand serious injuries each year. That rule is **"NEVER ATTEMPT TO CLEAN, OIL, OR ADJUST A MACHINE WHILE IN MOTION".**

**NATIONAL SAFETY COUNCIL**

**BEFORE ATTEMPTING TO OPERATE YOUR NEW MACHINE, BE SURE TO READ THIS OWNERS MANUAL AND FAMILIARIZE YOURSELF WITH THE MACHINE!! OBSERVE THE FOLLOWING PRECAUTIONS FOR SAFE OPERATIONS OF THIS MACHINE!!**

## SAFETY TIPS:

1. Keep Hands, Feet, and Clothing away from PTO Shaft!
2. DO NOT Climb on or enter Machine while in operation.
3. DO NOT Make High Speed Maneuvers with the machine.
4. Disengage PTO and remove Keys before servicing.
5. Keep ALL Shields in place.
6. DO NOT allow riders on outside of vehicle.
7. DO NOT attempt to clean, oil or adjust machine while in motion.
8. DO NOT exceed rated PTO RPM speed.

# TABLE OF CONTENTS


| | PAGE |
|---|---|
| **INTRODUCTION** | 2 |
| **SET-UP** | 3 - 4 |
| **OPERATION** | 5 -7 |
| **MAINTENANCE** | 8 - 9 |
| Chains | |
| Power Take Off Shafts | |
| Augers | |
| **LUBRICATION SCHEDULE** | MON600122 |
| **DECAL LOCATIONS** | MON600123 |
| **ASSEMBLY PRINTS** | |
| **FINAL ASSEMBLY** | MON900386 |
| **BASE ASSEMBLY** | MON900382 |
| **TOP AUGER ASSEMBLY** | MON900394 |
| **BOTTOM AUGER ASSEMBLY** | MON900380 |
| **8” CHAIN TIGHTENER ASSEMBLY** | MON900383 |
| **17” CHAIN TIGHTENER ASSEMBLY** | MON900373 |
| **23” CHAIN TIGHTENER ASSEMBLY** | MON900374 |
| **SHEAR SPROCKET ASSEMBLY** | MON900381 |
| **120 MM BEARING ASSEMBLY** | MON900377 |
| **POWER TAKE OFF** | MON700424 |
| **DRIVELINE POWER TAKE OFF** | SAC75756 |
| **4 FUNCTION HYDRAULIC ASSEMBLY** | MON900388 |
| **SWITCHBOX ASSEMBLY** | SCA170076 |
| **2” CYLINDER ASSEMBLY** | MON100437 |
| **DISCHARGE ASSEMBLYS** | |
| 4052 | MON900340 & MON900364 |
| 4062 | MON900341 & MON900361 |
| 4074 | MON900342 & MON900362 |
| 4080 | MON900343 & MON900363 |
| **DRIVE ASSEMBLY** | MON700231 |
| **DRIVE COUPLING ASSEMBLY** | MON700143 |
| **FLIP CHUTE CYLINDER ASSEMBLY** | MON700230 |
| **FLIP CHUTE ASSEMBLY** | MON900335 |
| **TRUCK MOUNT C BAR ASSEMBLY** | MON900173 |
| **GENERAL SPECIFICATIONS 2050** | |

# INTRODUCTION

Thank you for purchasing a **2050 MaxiMixer**. The purpose of the **MaxiMixer** is to give the agricultural industry the ability to incorporate long stem roughage into the total mixed ration without additional grinders or processors. We have built the **MaxiMixer** to very exacting standards and a high level of quality that will give you many years of dependable service if properly used, maintained and serviced.

Along with the purchase of your new **MaxiMixer** you have also become part of a fine family of agricultural equipment, and a fully equipped and knowledgeable service staff that can help you with all your needs.

In addition to reading and completely understanding this owner's manual, please take the time to fill out the warranty registration sheet so that we may process your warranty, as well as anticipate your future needs.

MODEL NO: 2050 SERIAL NO_____

DATE:_____

Please have these ready when phoning in for service.

**Sioux Automation Center Inc.**
877 1ST AVE NW
SIOUX CENTER IA 51250
(712) 722-1488
www.siouxautomation.com

# USING YOUR **MaxiMixer**

# READ CAREFULLY

## *SETUP*

1. When you are delivered your new **MaxiMixer** from the factory, it is not immediately necessary to check the machine for bearing lubrication or chain tightness, as these items have been factory serviced. It is recommended to walk around the machine and familiarize yourself with the location of all moving parts, caution decals, the general operating dimensions, and the basic working features of the **MaxiMixer**.

**CAUTION! BEFORE OPERATING THIS MACHINE, READ AND UNDERSTAND THIS OWNER'S MANUAL AND ALL CAUTION, WARNING, AND DANGER SYMBOLS LOCATED ON THE MACHINE AND IN THIS MANUAL.**

2. All lubrication has been completed at the factory prior to delivery and will not be immediately necessary. For Lubrication intervals and specifications see the enclosed Lubrication Schedule.

   **IMPORTANT! DO NOT OVER GREASE BEARINGS, SEAL FAILURE AND SUBSEQUENT PREMATURE BEARING FAILURE COULD RESULT.**

3. When you receive your **MaxiMixer**, it will be first necessary for you to hook up the power source for the solenoid that switches power between the hydraulic functions (if so equipped). The switch box is supplied with a lead that has 1 white wire and 1 black wire. The white wire is to be hooked to positive and the black is to be hooked to ground. It is recommended to hook these leads into a switched power source such as a keyed ignition. This will eliminate the possibility of draining the battery if the switch is left on. When not in use, be sure to turn unit off.

   **IMPORTANT: ALWAYS KEEP POWER CONNECTIONS TIGHT, NEAT AND FREE FROM DIRT AND CORROSION! DO NOT HOOK THE LEADS FOR THE SWITCH BOX INTO THE MIXER MOUNTED BATTERY THAT SUPPLIES THE SCALE!**

   The leads for the switch box have been supplied with and inline fuse holder that holds a 10 amp fuse.

**CAUTION! DO NOT REPLACE A BLOWN FUSE WITH A FUSE OF A HIGHER RATING!**

4. The **MaxiMixer** has also been supplied to you with a complete scale system. Read and understand the scale manual and familiarize yourself with its different functions. The scale indicator needs to be connected to a power source. Connect the scale indicators power cord directly to the solenoid operated hydraulic valve (if so equipped) or to the battery either on the mixer or the tractor. The leads are supplied with 1 white wire and 1 black wire. The white wire is to be connected to the positive and the black is to be connected to the ground. By having the scale connected to a constant power source, it will save warm up time between feedings. It is recommended to run the scale wires separately from other power lines to keep electrical interference to a minimum. A 10 amp inline fuse also protects the scale indicator.

**IMPORTANT! ALWAYS DISCONNECT SCALE LEADS BEFORE PERFORMING ANY SERVICE WORK SUCH AS WELDING!**

**DANGER! TO PREVENT SERIOUS INJURY OR DEATH, TURN OFF PTO, TURN OFF ENGINE AND PULL THE KEY, SET PARKING BRAKE, AND WAIT FOR ALL MOTION TO STOP BEFORE ADJUSTING PTO LENGTH AND WORKING ON THE DRAWBAR.**

# *OPERATION*

1. Before attempting to fill the mixer, make sure that the discharge door is completely closed, the chute is in the up position, and the mixing chamber is free of any foreign objects.

   **IMPORTANT! IF THE DISCHARGE DOOR IS LEFT OPEN DURING MIXING, FEED MAY BECOME TIGHTLY PLUGGED AGAINST THE CONVEYOR AND DAMAGE IT.**

2. Refer to the Owner's Manual of the truck before operating the mixer, to ensure proper PTO engagement.

**CAUTION: Avoid high speed engagement of the MaxiMixer as it could cause the shear pin to shear or damage the drive system.**

3. The **MaxiMixer** will effectively mix all ingredients in a Total Mixed Ration including small grains, corn, concentrates and premixes, cotton seed, corn and hay silage etc. The **MaxiMixer** is also capable of processing dry long stem hay into your ration. It is not recommended that wrapped and ensiled round bales be processed in the **MaxiMixer**.

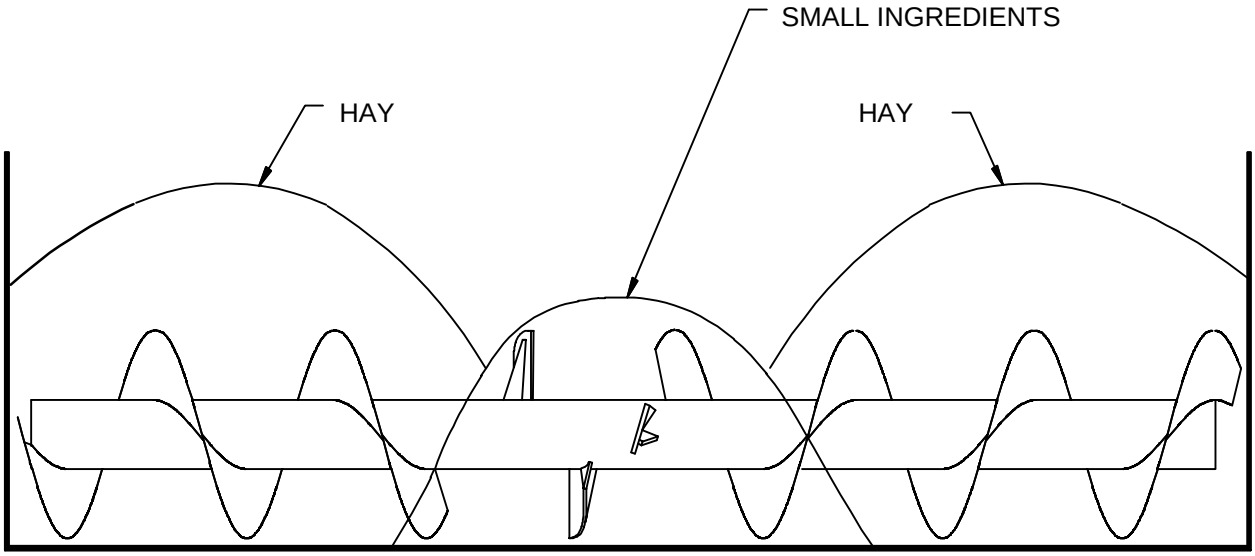
**IMPORTANT! THE MIXER SHOULD ALWAYS STAND LEVEL WHEN MIXING!**

4. Due to the nature of mixing and cutting long stem hay, pin shearing is something that can be expected. The shear pin is designed to be the weakest link in the drive train and its shearing is to prevent damage to critical components. Therefore never replace shear pins with a higher tensile strength or grade pin. If a machine is regularly shearing pins, the operator should first look for mechanical problems such as worn knives or a bearing failure, then evaluate loading procedures and lastly, call for technical assistance.

5. If a **MaxiMixer** does become plugged or jammed to the point where normal mixing rotation (counter clockwise from the front) will not resolve the problem, it will be necessary to reverse the mixer. This can safely be done by first turning off all power sources, setting the parking brake and waiting for all motion to stop before removing the PTO from the input shaft end. Then fit the supplied T handle to the input shaft, and then turn the T handle (facing the mixer) clockwise to loosen the plugged material.

**DANGER! TO PREVENT SERIOUS INJURY OR DEATH, DO NOT ENTER THE MIXING CHAMBER!**

6. Proper loading procedure involves loading smaller quantity ingredients in the center of the mixer first, to cover up the mixing paddles. This will prevent the aggressive paddles from grabbing too much hay before it can be first adequately processed by the knives on the auger flighting. Loading long stem hay in the center of the mixer increases the chances of shearing pins. If not happy with the resulting ration, some sequencing changes may need to be made. If sequencing changes do not fix your ration problems, see the factory for further assistance. Do not be concerned about the appearance of the ration in the mixer; the appearance and evenness of the ration is determined only in the bunk.




7. To discharge feed from the **MaxiMixer** it is necessary to first start the conveyor (either self contained hydraulics, or tractor supplied) and then open the discharge door. The conveyor and the door operate on two different hydraulic circuits and can be operated independently. The rate of ration flowing from the **MaxiMixer** can be controlled by the door position. The higher the door is raised, the more feed it will allow out, and vice versa.

**IMPORTANT! ALWAYS START THE DISCHARGE BEFORE OPENING THE DOOR TO PREVENT JAMMING FEED AGAINST THE CONVEYOR!**

8. Normal mixing time is form 1 to 2 minutes after the last ingredient has been added. It is necessary to run the **MaxiMixer** at 1600 ENGINE RPM during mixing of ingredients such as long stem hay or ensilage. It is not necessary to run the machine while loading. Strive for the shortest mixing time possible, as over-mixing will decrease the value of the ration and will cause unnecessary wear on the machine.

9. Proper mixing patterns are achieved when two cavities are visible in the mixer, one in the front and one in the rear. Feed must be able to tumble from the top to the bottom of the mixer to obtain maximum mixing potential. A mixer that is struck level full will not mix properly and will put undue stress on moving parts.

10. Do not leave partially mixed loads in the machine for long periods of time such as during the day or overnight. Acids from the feed will react with the steel and will cause premature deterioration of the machine. It is better to mix two small loads, than one large load.

# *MAINTENANCE*

Your MaxiMixer will be delivered, fully lubricated and set up to all drive component installation specifications. During the break in of your new MaxiMixer, it is recommended that a complete daily inspection of all drive components be carried out. Throughout the life of your Maximixer, a complete inspection of all drive components, fasteners, auger knives and shields should be carried out during scheduled lubrication times. Wore or damaged parts must be replaced, loose or misaligned parts must be adjusted and tightened to assure proper operation and life of components.

**WARNING: Always shut off engine, set parking brake, remove the key and wait for all motion to stop before attempting to adjust, lubricate, service or setup this machine!**

**CHAINS**

**Discharge Conveyor Chain**

A. The conveyor chain will loosen up some during the first few hours of operation and over the life of the discharge. Lift a flight near the center of the table. It should move about an inch off the floor. Remember when tightening the chain to move both take ups the same distance so the conveyor chain runs straight along the length of the discharge.

**Oil bath Roller Chain and Sprockets**

**Chain Tension**

B. Be sure it is tensioned adequately to prevent tooth jumping (ratcheting) under the most severe load conditions, which the drive will encounter during operation.
C. Adjust spring tightener, to eliminate any slack in roller chain, by moving S-hook along tightening chain to increase tension on spring.

**Drive Alignment**

D. Any degree of sprocket misalignment will result in some reduction of chain life. Misalignment of all roller chain sprocket drives should not exceed 1/4 degree or 1/16” per foot of linear distance. Misalignment should be checked with a good, straight edge tool. The tool should be applied from the driver to driven, and then from the driven to driver sprockets so that the total effect of parallel and angular misalignment is taken into account.
E. Drive misalignment can cause premature sprocket and chain wear. Extreme case may result binding of chain and drive failure. Alignment of sprockets, using shims and the adjusting screw on the jackshaft, is critical for proper operation of your MaxiMixer.

**Upper Auger Shear Sprocket**

F. The shear sprocket uses one 5/8 X 3-1/2” NF grade 8 bolt. Any change from this specification will void warranty.

**POWER TAKE OFF SHAFTS**

G. Keep PTO shaft covers in place at all times. Keep universal joints greased. The PTO shear uses a 5/16 x 2" NF grade 5 bolt. Any change from this specification will void warranty.

**AUGERS**

**Knives**

H. Auger Knives should be checked regularly for lose or damaged knives and tightened or replaced as required. A minimum of grade 5 carriage bolts and lock nuts should be used because of wear.

I. Rotating knives from high wear areas (middle of auger) to low wear areas (end of auger) will increase the life of the knife set and maintain a high level of cutting action. Knifes wore past the tungsten coating and are not effective for cutting should be replaced. Knifes should be set as close as possible to stainless steel bars on the belly, but must not hit.

**Bushings**

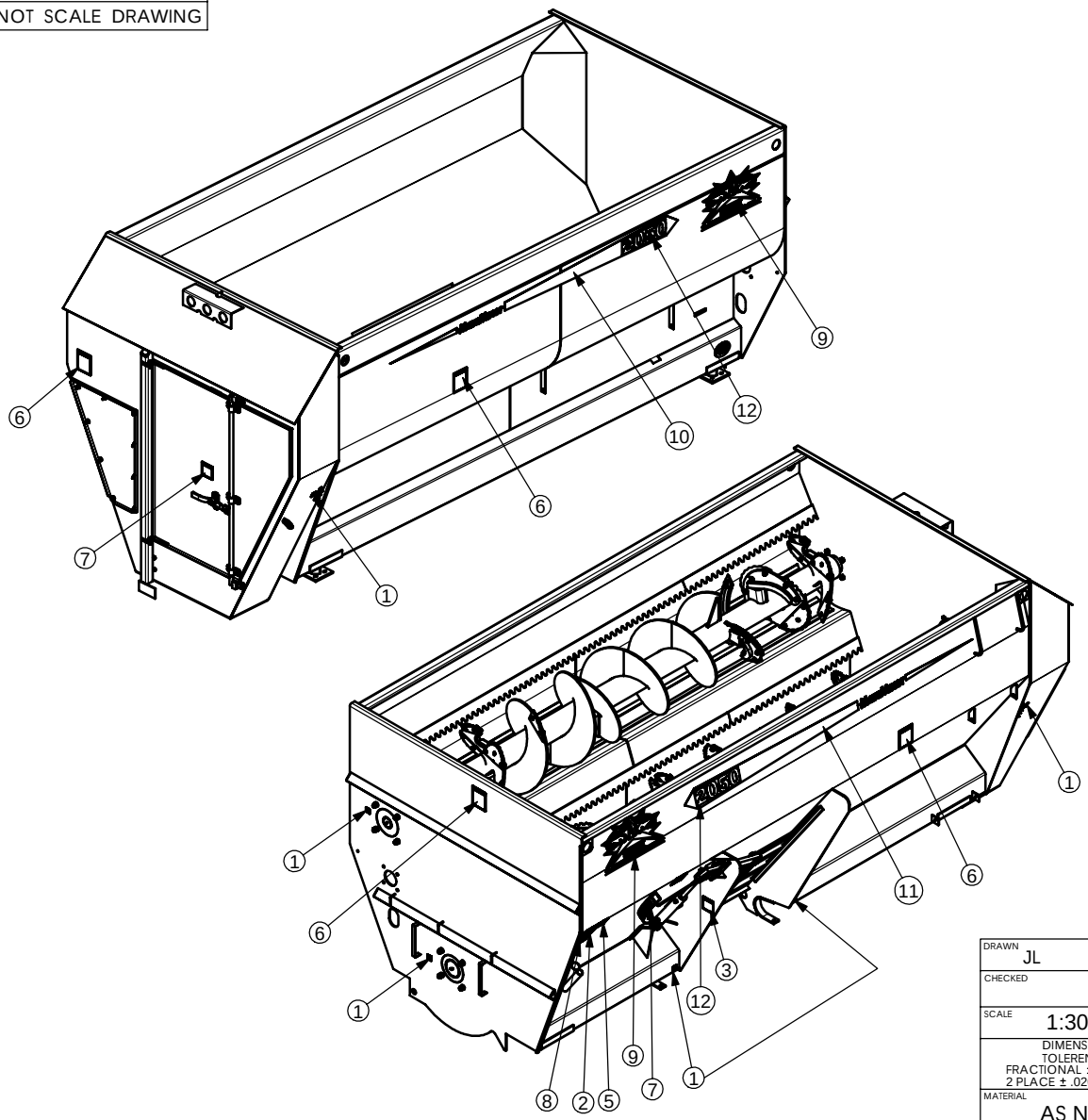
J. Both augers run on oil impregnated nylon bushings at the front of the mixer. This assembly is designed to make a metal rubbing metal squealing sound when bushing is wore and needs replacement. Prolong use at this stage, without replacing bushing, will cause damage to both the stub shaft and auger sleeve.

K. To change the bushing:
- support the auger in the mixer
- remove the stub shaft from the front of the mixer
- remove the wore bushing from the auger sleeve
- tap new bushing into auger sleeve using wooden block
- grease stub shaft and reinstall
- remove auger support and any foreign objects from inside mixer

DWG NO. MON600123

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |

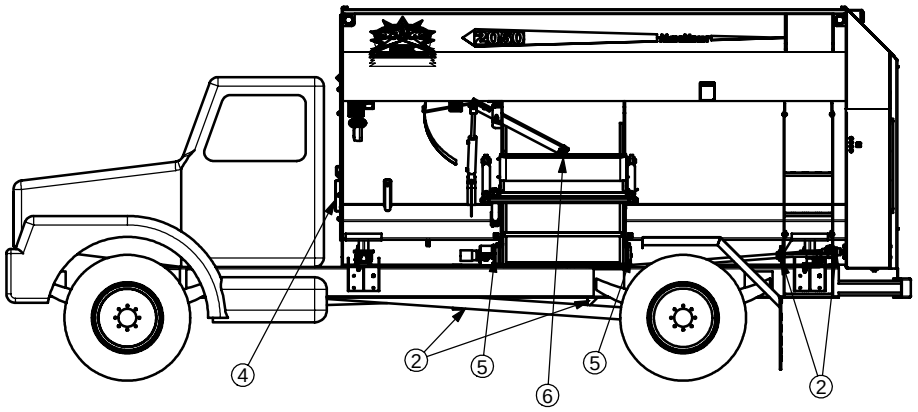



| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 6 | DEC102 | DECAL,GRS,GUN,PICTURE |
| 2 | 1 | DEC106 | DECAL,CAUTION,MAN,OWNER,5,6 |
| 3 | 1 | DEC107 | DECAL,WARNING,CHAIN,EXPOSED |
| 4 | 1 | DEC108 | DECAL,WARNING,PART,MOVING,4,4 |
| 5 | 1 | DEC109 | DECAL,CAUTION,WLD,3,3 |
| 6 | 4 | DEC111 | DECAL,DANGER,AUGER,5,6 |
| 7 | 1 | DEC114 | DECAL,MONO,GA,DOOR |
| 8 | 2 | DEC128 | DECAL,SAC,LOGO,NEW,3,5.66 |
| 9 | 2 | DEC154 | DECAL,SAC,LOGO,NEW,20.5H,24W |
| 10 | 1 | DEC158 | DECAL,2030,6,108,RH |
| 11 | 1 | DEC159 | DECAL,2030,6,108 |
| 12 | 2 | DEC163 | DECAL,MAXI,2050,BLACK |
| 13 | 1 | DEC161 | DECAL,MAXI,GA,DOOR |

| | | | |
|---|---|---|---|
| DRAWN JL | DATE 04-01 | PROPERTY OF *SIOUX AUTOMATION CENTER INC.* *877 FIRST AVE NW SIOUX CENTER, IA 51250* | |
| CHECKED | DATE | | |
| SCALE 1:30 | BREAK ALL EDGES .03 X 45° | DECAL LOCATIONS | |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | | |
| MATERIAL AS NOTED | SIZE B | DWG NO. MON600123 | REV SHEET 1 OF 1 |

| DWG NO. MON600122 |
|---|
| DO NOT SCALE DRAWING |

| REVISIONS | | | | | REV - |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |




**WARNING**

IF WORK MUST BE PREFORMED INSIDE MIXER A PROTECTIVE COVER MUST BE PLACED OVER KNIVES TO AVOID INJURY OR DEATH.

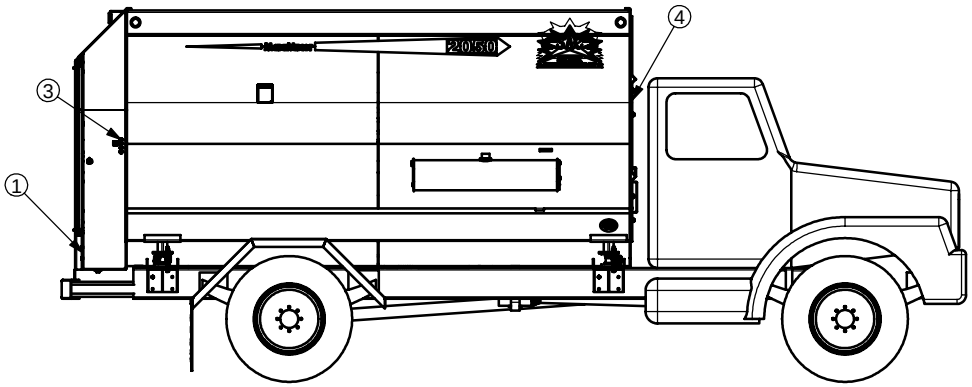
ALWAYS STOP MIXER AND TURN OFF MOTOR BEFORE LUBRICATING, ADJUSTING OR SERVICING THIS MACHINE.

SERVICE NOTES:

ALL BEARINGS, SHAFTS, SPROCKETS, CHAINS, BELT AND FASTENERS MUST BE VISUALY INSPECTED, WHEN LUBRICATING MIXER.

WORE OR DAMAGED PARTS MUST BE REPLACED

LOOSE OR MISALIGNED PART MUST BE ADJUSTED AND TIGHTENED TO ASURE PROPER OPERATION AND LIFE OF CONPONENTS.




| POINT | ITEM | LUBRICATION | INTERVAL |
|---|---|---|---|
| 6 | DISCHARGE CHAIN | LIGHT WEIGHT OIL | BRUSH ON LIGHTLY EVERY 40 HOURS OF OPERATION |
| 5 | DISCHARGE BEARINGS | STANDARD ALL PURPOSE GUN GREASE | EVERY40 HOURS OF OPERATION |
| 4 | FRONT AUGER BUSHING | STANDARD ALL PURPOSE GUN GREASE | EVERY40 HOURS OF OPERATION |
| 3 | ALL DRIVE LINE BEARINGS | STANDARD ALL PURPOSE GUN GREASE | EVERY40 HOURS OF OPERATION |
| 2 | POWER TAKE OFF | STANDARD ALL PURPOSE GUN GREASE | EVERY40 HOURS OF OPERATION |
| 1 | REAR DRIVE OILBATH | LIGHT WEIGHT OIL<br>FILL TO COVER CHAIN ON BOTTOM OF LOWEST SPROCKET | CHECK EVERY40 HOURS OF OPERATION<br>CHANGE YEARLY |

| DRAWN JL | DATE 07-01 | PROPERTY OF *SIOUX AUTOMATION CENTER INC.* *877 FIRST AVE NW SIOUX CENTER, IA 51250* | |
|---|---|---|---|
| CHECKED | DATE | | |
| SCALE 1:30 | BREAK ALL EDGES .03 X 45° | LUBRICATION SCHEDULE | |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | | |
| MATERIAL AS NOTED | | SIZE B | DWG NO. MON600122 REV - SHEET 1 OF 1 |

# MaxiMixer

## Model 2050 Truck Mount

# Assembly Prints

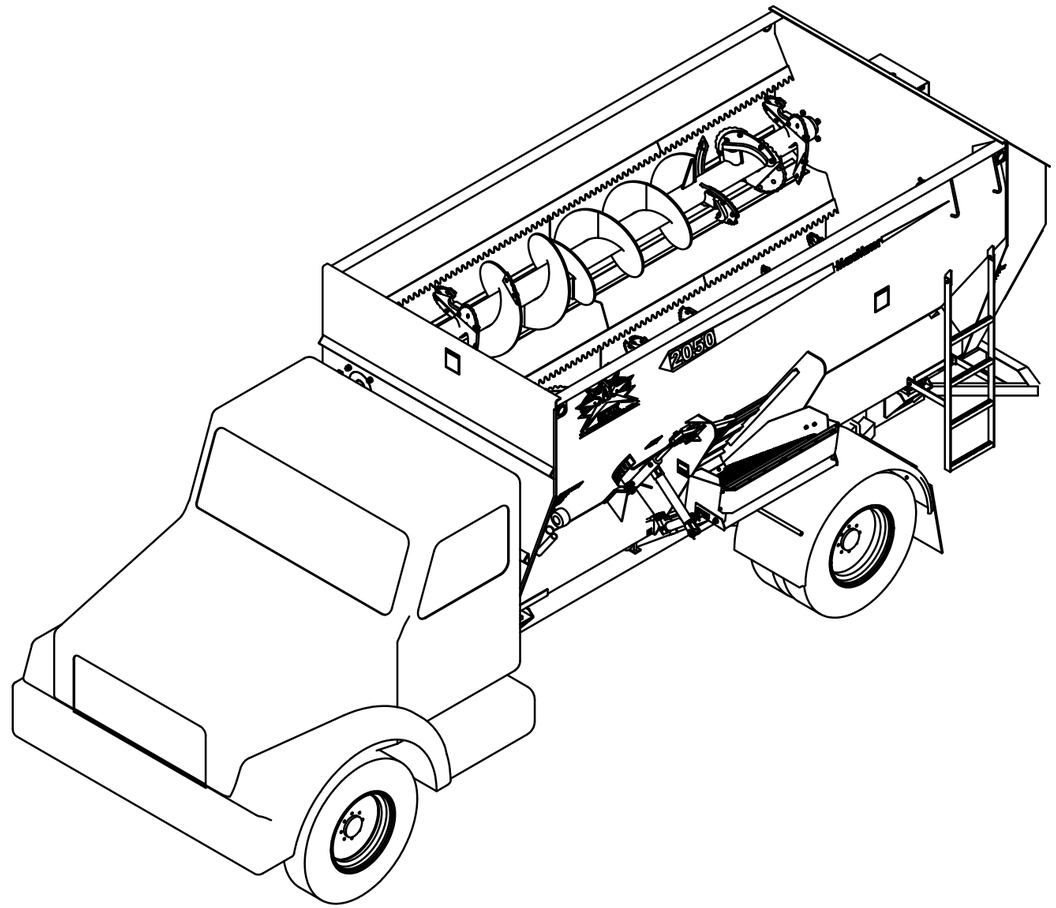
DWG NO. MON900386

DO NOT SCALE DRAWING

| ITEM # | QTY | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | (PTO SPEC PER TRUCK) | PTO,HOT,SHIFT,111% |
| 2 | 6 | BLT12X112NC | BLT,HEX,1/2,1-1/2,NC,G5 |
| 3 | 16 | BLT12X134NC | BLT,HEX,1/2,1-3/4,NC,G5 |
| 4 | 8 | BLT38X1NC | BLT,HEX,3/8,1,NC,G5 |
| 5 | 2 | BLT38X712NC | BLT,HEX,3/8,7-1/2,NC,G5 |
| 6 | 8 | BLT516X114NC | BLT,HEX,5/16,1-1/4,NC,G5 |
| 7 | 32 | BLT58X212NC | BLT58X212NC |
| 8 | 2 | BRGRCJ138 | BRG,FLG,4BLT,1.38 |
| 9 | 1 | KN136362 | SHAFT,INPUT,1.375,109" |
| 10 | 1 | MON100321 | ROD,LIFT,DIS,40 |
| 11 | 2 | MON100908 | WRM38TEPIPE,6.12 |
| 12 | 2 | MON101238 | WRM5CHANNEL,29 |
| 13 | * | MON600100 | DIS,ROLLER,OPTIONS |
| 14 | 1 | MON700424 | PTO,W2400,25.2,WALTERSCHEID |
| 15 | 2 | MON700593 | MOUNT,BODY,TRK |
| 16 | 2 | MON700594 | MOUNT,BODY,TRK,WEDGE |
| 17 | 1 | MON700609 | LADDER,16,62 |
| 18 | 1 | MON900382 | 2050,TRK,BASE,ASSY |
| 19 | 1 | MON900388 | HYD,ASSY,2050,TRKMNT |
| 20 | 1 | MON900389 | LIGHT,2050,TRK,ASSY |
| 21 | 22 | NUT12NC | NUT,HEX,1/2,NC,G5 |
| 22 | 2 | NUT38LOCKNC | NUT,LOCK,3/8,NC,G5 |
| 23 | 8 | NUT38NC | NUT,HEX,3/8,NC,G5 |
| 24 | 8 | NUT516NC | NUT,HEX,5/16,NC,G5 |
| 25 | 32 | NUT58NC | NUT,HEX,5/8,NC,G5 |
| 26 | 2 | PTO3-4-613 | YOKE,RND,1.38,AUTO |
| 27 | 4 | PTO3-94-18X | BLT,U,PTO,CROSS,OSW837227 |
| 28 | 1 | PTO5-178X | CROSS,1.88,AUTO |
| 29 | 1 | SAC35333 | BUMPER,TRK,RR,830804 |
| 30 | 2 | SAC35528 | SUPPORT,BUMPER,TRK,RR,830804 |
| 31 | 2 | SAC56009 | STRAP,FLAT,MUD |
| 32 | 1 | SAC60546 | MOUNT,GEARBOX,TRK,ANGLE,FR |
| 33 | 1 | SAC60547 | MOUNT,GEARBOX,TRK,ANGLE,RR |
| 34 | 1 | SAC75756 | DRVLN,PTO,HANGER,KN |
| 35 | 2 | SACFLAP24X24 | FLAP,MUD,.38,24,24 |
| 36 | 4 | SCA170031 | MOUNT,LDCLL,ASSY |
| 37 | 4 | SCAOMS30K | LDCLL,30K,.10%,OMNI |
| 38 | 4 | SP14X1TS | SCREW,HEX,1/4,1,DRLLNG |
| 39 | 1 | SP2:1GEARBOX | GEARBOX,2:1,200,DI |
| 40 | 50 | SPCABLETIEHVY | TIE,CABLE,HVY,#175 |
| 41 | 100 | SPCABLETIEMED | TIE,CABLE,MED,#30-50 |
| 42 | 2 | SPCP316X2 | PIN,COTTER,3/16,2 |
| 43 | * | TRKFRAME | TRK,10' CAB TO AXLE |
| 44 | 1 | TWHL43A | FENDER,TRK,POLY,SINGLE,AXLE,PR |
| 45 | 1 | TWKIT#3 | HARDWARE,MOUNTING,FENDER,SNGL |
| 46 | 22 | WSH12LOCK | WSH,LOCK,1/2 |
| 47 | 8 | WSH38LOCK | WSH,LOCK,3/8 |
| 48 | 8 | WSH516LOCK | WSH,LOCK,5/16 |
| 49 | 32 | WSH58LOCK | WSH,LOCK,5/8 |

REVISIONS — REV A

| ECN | REV. | DESCRIPTION | DATE | BY | CK |
|---|---|---|---|---|---|
| 2948 | A | DEL:MON100437 ADD:SPCABLETIEMED,SPCABLETIEHVY, TWHL43A,TWKIT#3,SACFLAP24X24,SAC56009, BLT516X114NC,NUT516NC, & WSH516LOCK | 06-04 | CM | |

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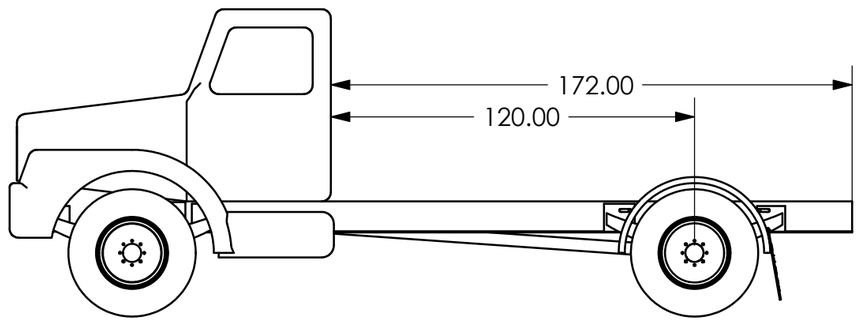
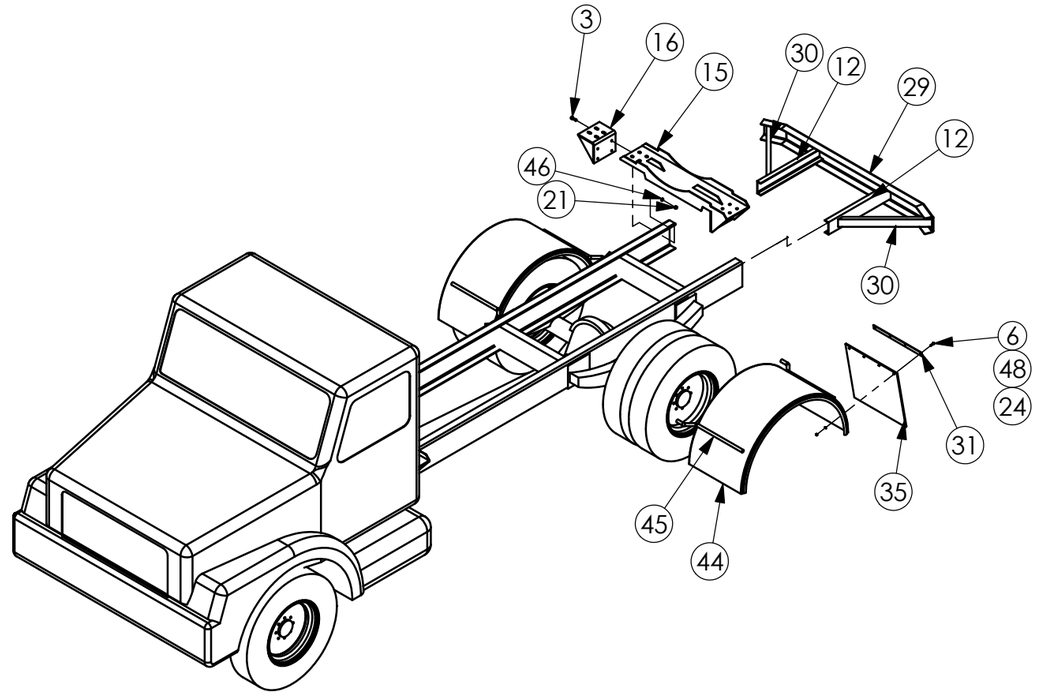
|---|---|---|
| DRAWN JL | DATE 07-01 | PROPERTY OF SIOUX AUTOMATION CENTER INC. 877 FIRST AVE NW SIOUX CENTER, IA 51250 |
| CHECKED | DATE | |
| SCALE 1:30 | BREAK ALL EDGES .03 X 45° | 2050,TRK,FINAL,ASSY |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | |
| MATERIAL AS NOTED | SIZE B | DWG NO. MON900386 REV A SHEET 1 OF 4 |

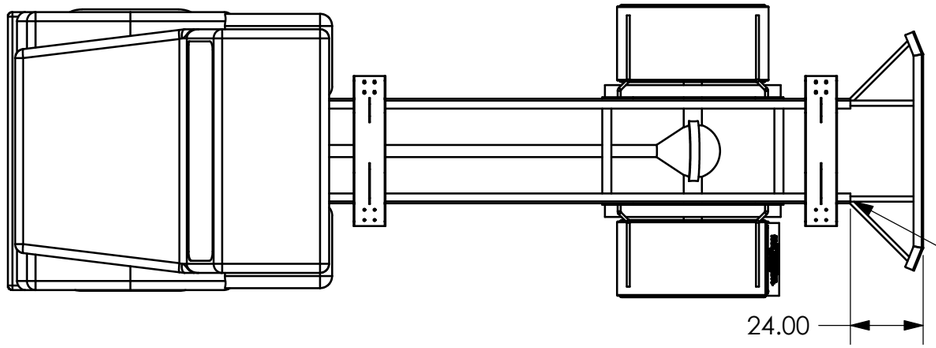
DWG NO. MON900386

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV A |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |

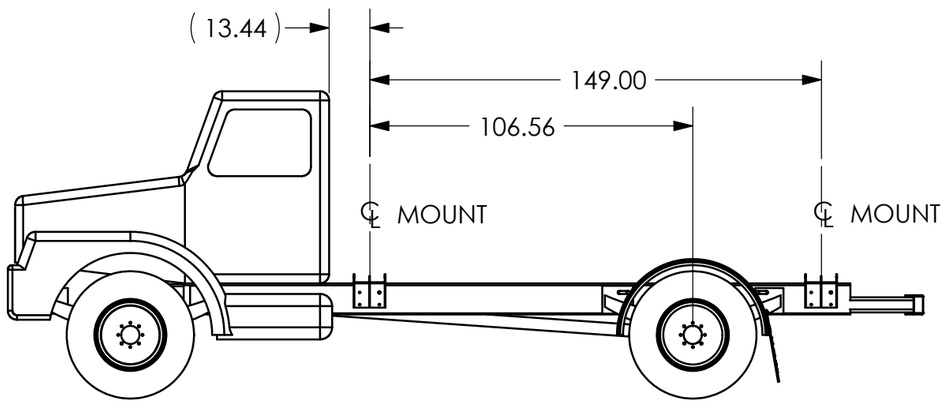



.25 TYP. ALL REAR BUMPER COMPONENTS

NOTE:
1.) DRILL HOLES IN TRUCK FRAME TO SUIT FOR MOUNTING FENDERS AND MIXER MOUNTS.

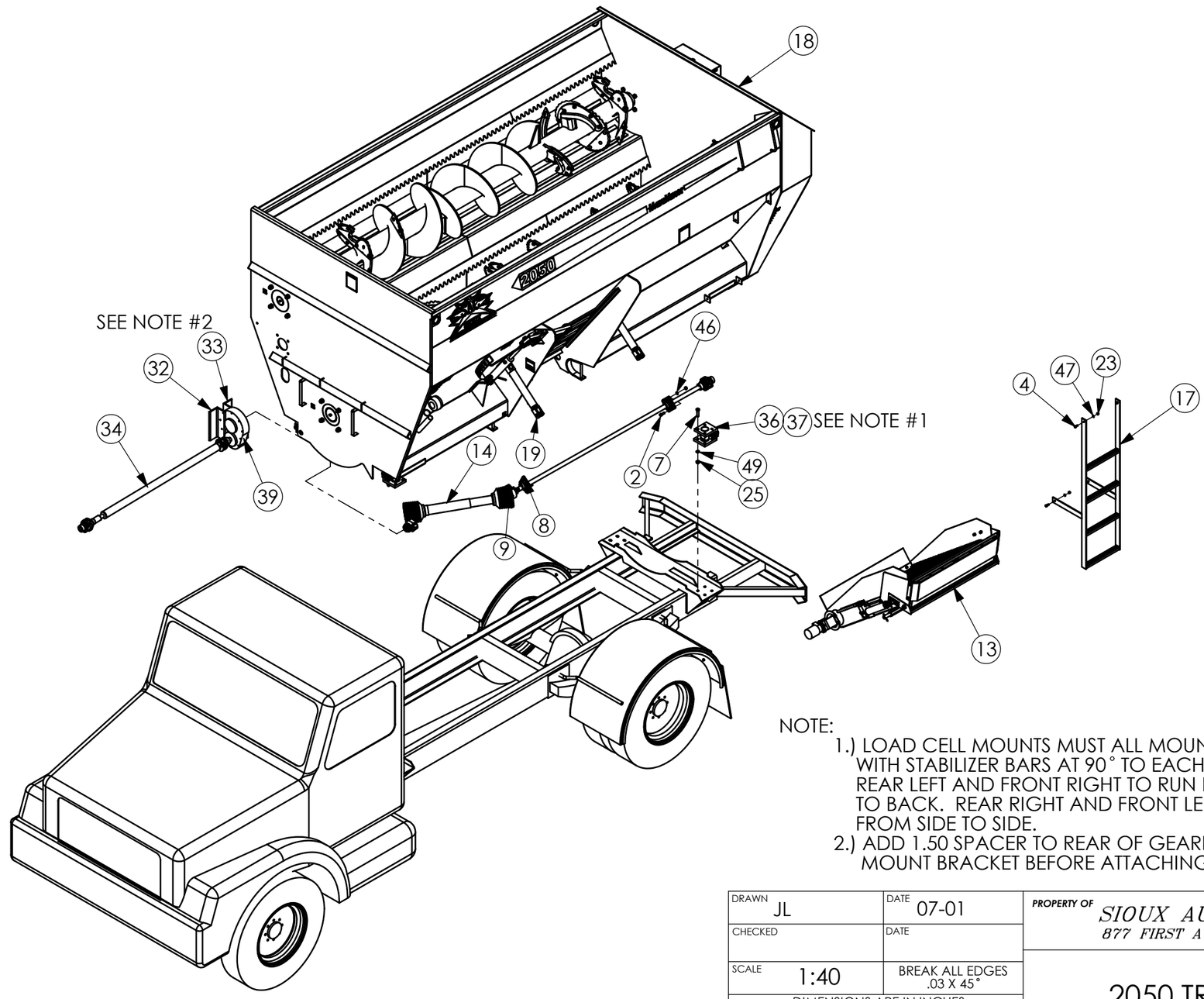



| | | | |
|---|---|---|---|
| DRAWN JL | DATE 07-01 | PROPERTY OF | SIOUX AUTOMATION CENTER INC. 877 FIRST AVE NW SIOUX CENTER, IA 51250 |
| CHECKED | DATE | | |
| SCALE 1:50 | BREAK ALL EDGES .03 X 45° | | 2050,TRK,FINAL,ASSY |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | SIZE B | DWG NO. MON900386 REV A |
| MATERIAL AS NOTED | | | SHEET 2 OF 4 |

DWG NO. MON900386

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV A |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |




NOTE:

1.) LOAD CELL MOUNTS MUST ALL MOUNT WITH STABILIZER BARS AT 90° TO EACH OTHER. REAR LEFT AND FRONT RIGHT TO RUN FROM FRONT TO BACK. REAR RIGHT AND FRONT LEFT TO RUN FROM SIDE TO SIDE.

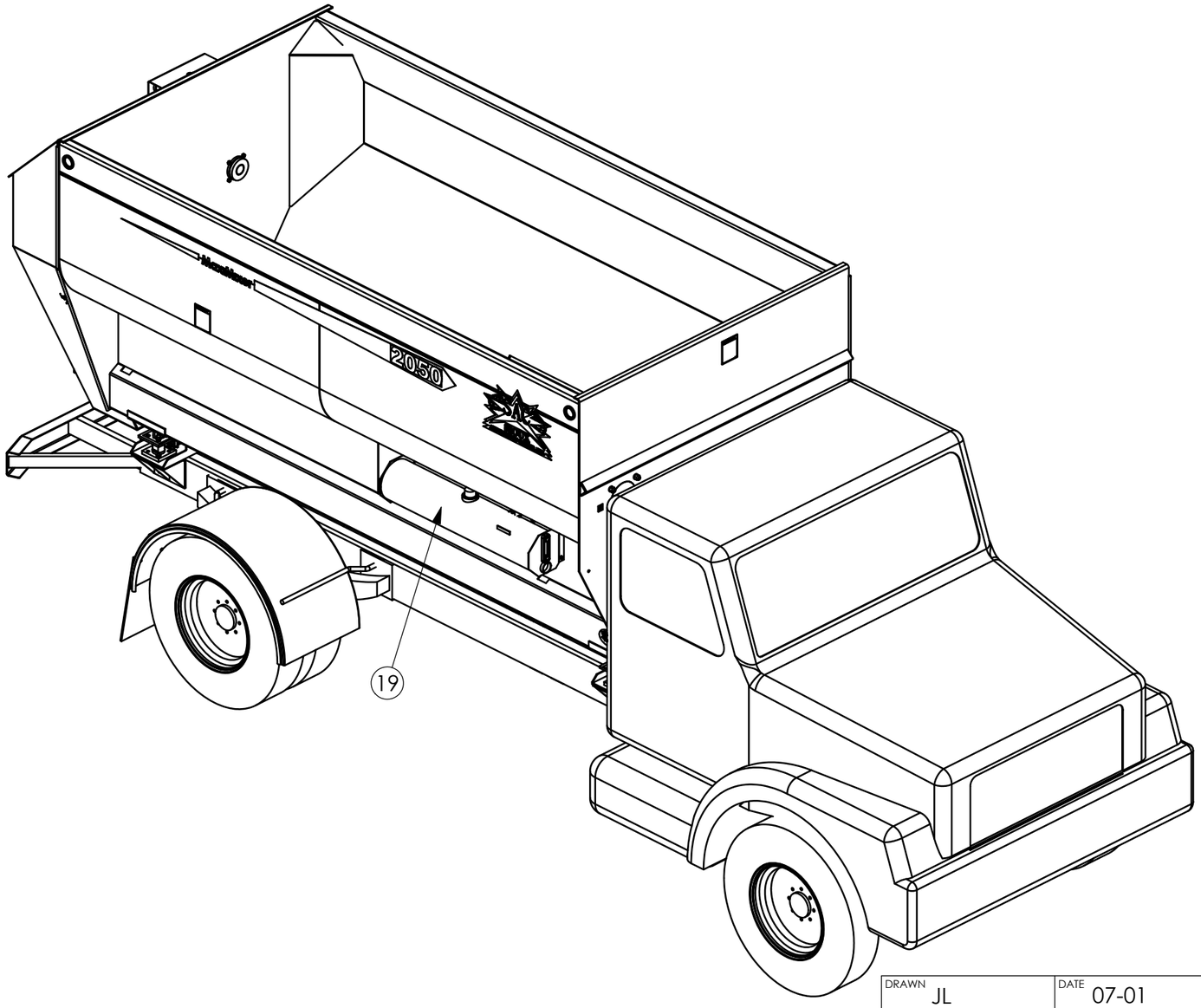
2.) ADD 1.50 SPACER TO REAR OF GEARBOX MOUNT BRACKET BEFORE ATTACHING TO RAIL

| | | |
|---|---|---|
| DRAWN JL | DATE 07-01 | PROPERTY OF *SIOUX AUTOMATION CENTER INC.* *877 FIRST AVE NW SIOUX CENTER, IA 51250* |
| CHECKED | DATE | |
| SCALE 1:40 | BREAK ALL EDGES .03 X 45° | 2050,TRK,FINAL,ASSY |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | SIZE B / DWG NO. MON900386 / REV A |
| MATERIAL AS NOTED | | SHEET 3 OF 4 |

DWG NO. MON900386

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV A |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |




| | | | |
|---|---|---|---|
| DRAWN JL | DATE 07-01 | PROPERTY OF *SIOUX AUTOMATION CENTER INC.* *877 FIRST AVE NW SIOUX CENTER, IA 51250* | |
| CHECKED | DATE | | |
| SCALE 1:30 | BREAK ALL EDGES .03 X 45° | 2050,TRK,FINAL,ASSY | |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | SIZE B | DWG NO. MON900386 REV A |
| MATERIAL AS NOTED | | | SHEET 4 OF 4 |

DWG NO. MON900382

DO NOT SCALE DRAWING

| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON700592 | BODY,2050,TRK,WLD |
| 2 | 1 | MON100437 | CYL,HYD,2,10,PAINTED |
| 3 | 2 | MON100450 | ARM,LINKAGE,DOOR |
| 4 | 1 | MON100831 | GA,DOOR,ROD,500,TRK |
| 5 | 1 | MON700013 | DOOR,DIS,PIVOT,WLD,40 |
| 6 | 1 | MON700471 | LEVER,ASSY,DOOR,TRK |
| 7 | 6 | SPCP14X2 | PIN,COTTER,1/4,2 |
| 8 | 3 | HYDSC003 | PIN,CYL,CLEVIS,1,3 |
| 9 | 4 | WSH1FLAT | WSH,FLAT,1 |
| 10 | 1 | MON700595 | SHAFT,FLG,WLD,5.5,10,8.75,TRK |
| 11 | 1 | MON700636 | SHAFT,FLG,3.5,10,6.5,TRK,PNT |
| 12 | 8 | BLT34X2NC | BLT,HEX,3/4,2,NC,G5 |
| 13 | 20 | WSH34LOCK | WSH,LOCK,3/4 |
| 14 | 18 | NUT34NC | NUT,HEX,3/4,NC,G5 |
| 15 | 1 | SPGZRK613 | ZRK,GRS,1/8,MALE,PIPE,90DEG |
| 16 | 1 | SPGZRK610 | ZRK,GRS,1/8,MALE,PIPE,STR |
| 17 | 1 | RC160HCON | LINK,CONN,160H |
| 18 | 2 | RC120HCON | LINK,CONN,120H |
| 19 | 1 | MON101673 | CHAIN,ROLLER,160-H,77P,154 |
| 20 | 1 | MON101178 | CHAIN,ROLLER,120-H,85P,127.5 |
| 21 | 1 | MON101196 | CHAIN,ROLLER,120-H,73P,109.5 |
| 22 | 16 | KN172822 | FTTNG,GREASE,LINE |
| 23 | 13 | NUT12NC | NUT,HEX,1/2,NC,G5 |
| 24 | 16 | WSH12LOCK | WSH,LOCK,1/2 |
| 25 | 6 | BLT12X112NC | BLT,HEX,1/2,1-1/2,NC,G5 |
| 26 | 2 | WSH58LOCK | WSH,LOCK,5/8 |
| 27 | 2 | NUT58NC | NUT,HEX,5/8,NC,G5 |
| 28 | 4 | WSH58FLAT | WSH,FLAT,5/8 |
| 29 | 4 | BLT58X312NC | BLT,HEX,5/8,3-1/2,NC,G5 |
| 30 | 2 | BLT34X112NF | BLT,HEX,3/4,1-1/2,NF,G8 |
| 31 | 6 | BLT34X512NC | BLT,HEX,3/4,5-1/2,NC,G5 |
| 32 | 4 | BLT34X412NC | BLT,HEX,3/4,4-1/2,NC,G5 |
| 33 | 1 | MON101174 | SPACER,RND,5.56,4.81,.06 |
| 34 | 1 | MON101175 | DISK,6.25,.81,.5 |
| 35 | 1 | BURN12000305 | DISK,4.5,.81,.5 |
| 36 | 1 | MON900381 | SPK,120,38,3,SHEAR,ASSY |
| 37 | 2 | SPBUS3WR14G | BUSHING,MACH,3,WR,14GA |
| 38 | 1 | MON101140 | SPACER,RND,3.5,3.07,2.25 |
| 39 | 1 | BRGFB22448H | BRG,FLG,4BLT,3 |
| 40 | 2 | MON101141 | FLG,RND,9.5,7.88,5,.81,1 |
| 41 | 1 | MON101139 | SPACER,RND,3.5,3.07,3.41 |
| 42 | 1 | SPASNC38X1 | SCREW,ALLEN,3/8,1,NC |
| 43 | 2 | MON101066 | SHIM,BRGPB22440H,10GA |
| 44 | 1 | BRGPB22440H | BRG,PILLOW,2.5,ROLLER |
| 45 | 1 | BRGFCB22440H | BRG,FLG,4BLT,2.5,CART |
| 46 | 1 | MON101135 | WRM212SPRD,13.75 |
| 47 | 1 | MON700632 | SPK,160A13,120A54,2.5,WLD |
| 48 | 1 | MON700582 | SPK,160,56,120mm,WLD |
| 49 | 1 | MON101149 | SPK,120,18,120mm,SPLINED |
| 50 | 1 | MON101144 | SPACER,RND,5.5,4.73,1.5 |
| 51 | 1 | MON900380 | AUGER,BOT,2050,25DEG,ASSY |
| 52 | 1 | MON900394 | AUGER,TOP,BLADE,2050,ASSY |
| 53 | 1 | MON101173 | SPACER,RND,5.5,4.73,2.25 |
| 54 | 1 | MON900377 | BRG,FLG,6BLT,120mm,ASSY |
| 55 | 1 | KN180630 | TUBE,GREASE,.18,109,ID |
| 56 | 9 | BLT12X134NC | BLT,HEX,1/2,1-3/4,NC,G5 |
| 57 | 2 | NUT58LOCKNC | NUT,LOCK,5/8,NC,G5 |
| 58 | 2 | MON900374 | TIGHTNR,CHAIN,23,ASSY |
| 59 | 3 | OSW830848 | WTHRSTRP,SEAL,DOOR |
| 60 | 1 | PFPL2PLUG | PLUG,2,PL |
| 61 | 6 | WSH12FLAT | WSH,FLAT,1/2 |
| 62 | 1 | MON700589 | DOOR,OILBATH,2050,WLD |
| 63 | 1 | MON700590 | LOCK,DOOR,CAM,57,WLD,ASSY |
| 64 | 4 | BLT38X1FNC | BLT,FLG,3/8,1,NC,G2 |
| 65 | 12 | WSH38LOCK | WSH,LOCK,3/8 |
| 66 | 14 | NUT38NC | NUT,HEX,3/8,NC,G5 |
| 67 | 8 | BLT38X1NC | BLT,HEX,3/8,1,NC,G5 |
| 68 | 2 | NUT12LOCKNC | NUT,LOCK,1/2,NC,G5 |
| 69 | 1 | MON101202 | CHAIN,ROLLER,100-H,79P,98.75 |
| 70 | 1 | RC100HCON | LINK,CONN,100H |
| 71 | 1 | PFBL112PLUG | PLUG,1-1/2,BLK |
| 72 | 1 | MON101197 | JCKSHFT,SEC,1.75,12.5 |
| 73 | 1 | BRGPB900134 | BRG,PILLOW,1.75,DBL |
| 74 | 1 | BRGRAK134 | BRG,PILLOW,1.75 |
| 75 | 2 | HUBQ1134 | HUB,Q1,1.75 |
| 76 | 1 | SPK120Q14 | SPK120,A,15,4.625 |
| 77 | 1 | SPK100Q35 | SPK100,Q1,35 |
| 78 | 1 | MON101206 | SHIM,BRGRAK134,14GA |
| 79 | 2 | MON101207 | TIGHTNR,BRG,.5,5.88 |
| 80 | 2 | BLT12X212NC | BLT,HEX,1/2,2-1/2,NC,G5 |
| 81 | 2 | BLT12X2NC | BLT,HEX,1/2,2,NC,G5 |
| 82 | 2 | BLT38X212FTNC | BLT,HEX,3/8,2-1/2,NC,G5,FT |
| 83 | 2 | RP090005 | KEY38X38,2.5,KIT |
| 84 | 1 | SELCR13536 | SEAL,OIL,1.38,1.835,.25 |
| 85 | 1 | MON101201 | RTNR,SEAL,1.38,PLATE |
| 86 | 1 | MON101314 | SHAFT,INPUT,1.38,17 |
| 87 | 1 | HUBQ1138 | HUB,Q1,1.38 |
| 88 | 1 | SPK100Q14 | SPK100,Q1,14 |
| 89 | 2 | BRGRCJ138 | BRG,FLG,4BLT,1.38 |
| 90 | 1 | MON100866 | KEY516X516,2.5 |
| 91 | 1 | MON900383 | TIGHTNR,CHAIN,100,8,ASSY |
| 92 | 1 | MON101318aa | DOOR,OILBATH,LH,2050,TRK |
| 93 | 9 | NUT38WING | NUT,WING,3/8 |
| 94 | 25 | WSH38FLAT | WSH,FLAT,3/8 |
| 95 | 8 | SPGZRK618 | ZRK,GREASE,1/8,FEM,PIPE,STR |
| 96 | 1 | MON101393 | OILER,ANGLE,CHAIN |
| 97 | 2 | BLT516X1NC | BLT,HEX,5/16,1,NC,G5 |
| 98 | 2 | WSH516LOCK | WSH,LOCK,5/16 |
| 99 | 2 | NUT516NC | NUT,HEX,5/16,NC,G5 |

| ECN | REV. | DESCRIPTION | DATE | BY | CHK |
|---|---|---|---|---|---|
| 2948 | C | DEL:MON101352,MON700577 & RC140HCON ADD:MON700632,MON101393,BLT516X1NC, & WSH516LOCK NUT516NC | 06-04 | CM | |
| 2513 | B | DEL: MON700596/ADD MON700636 | 12-03 | CM | |
| 1449 | A | SEE ECN FOR CHANGES | 12-01 | AP | |

REVISIONS REV C

| | |
|---|---|
| DRAWN JL | DATE 04-01 |
| CHECKED | DATE |
| SCALE 1:24 | BREAK ALL EDGES .03 X 45° |

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

AS NOTED

PROPERTY OF SIOUX AUTOMATION CENTER INC.
877 FIRST AVE NW SIOUX CENTER, IA 51250

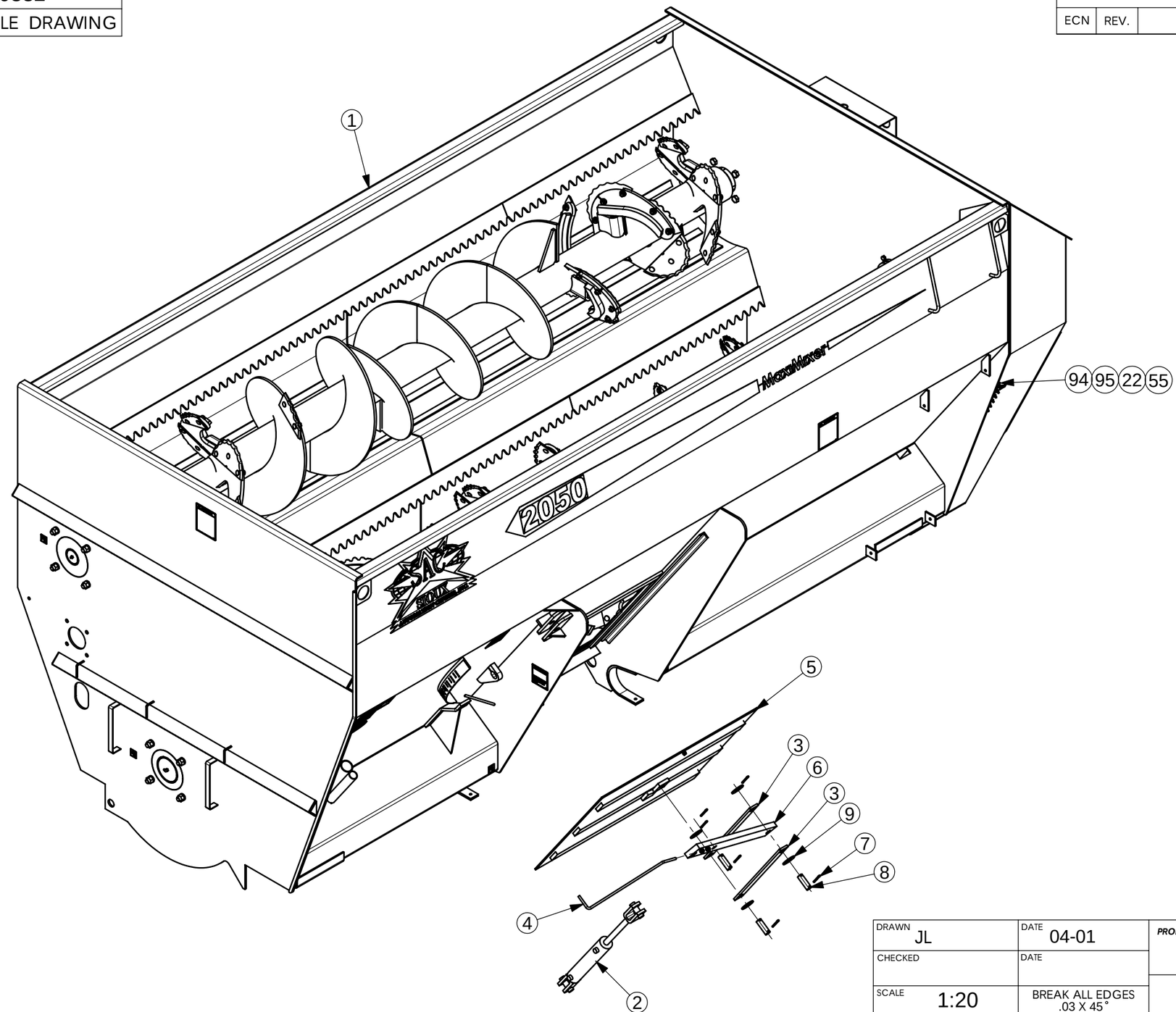
# 2050,TRK,BASE,ASSY

SIZE B | DWG NO. MON900382 | REV C | SHEET 1 OF 4

DWG NO. MON900382

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV C |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |

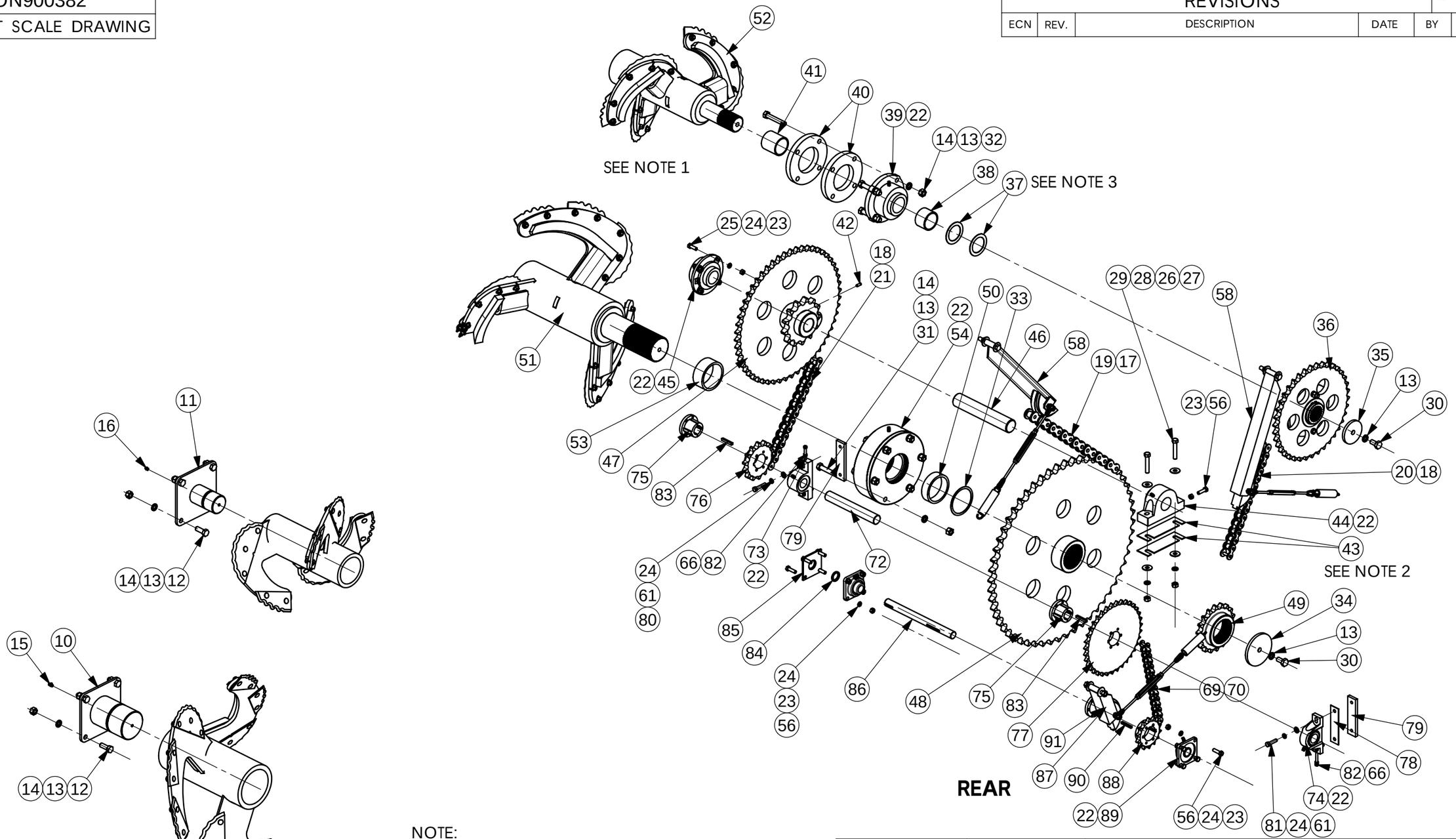



| | | | |
|---|---|---|---|
| DRAWN JL | DATE 04-01 | PROPERTY OF | SIOUX AUTOMATION CENTER INC. 877 FIRST AVE NW SIOUX CENTER, IA 51250 |
| CHECKED | DATE | | |
| SCALE 1:20 | BREAK ALL EDGES .03 X 45° | | 2050,TRK,BASE,ASSY |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | | |
| MATERIAL AS NOTED | | SIZE B | DWG NO. MON900382 REV C |
| | | | SHEET 2 OF 4 |

DWG NO. MON900382

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV C |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |



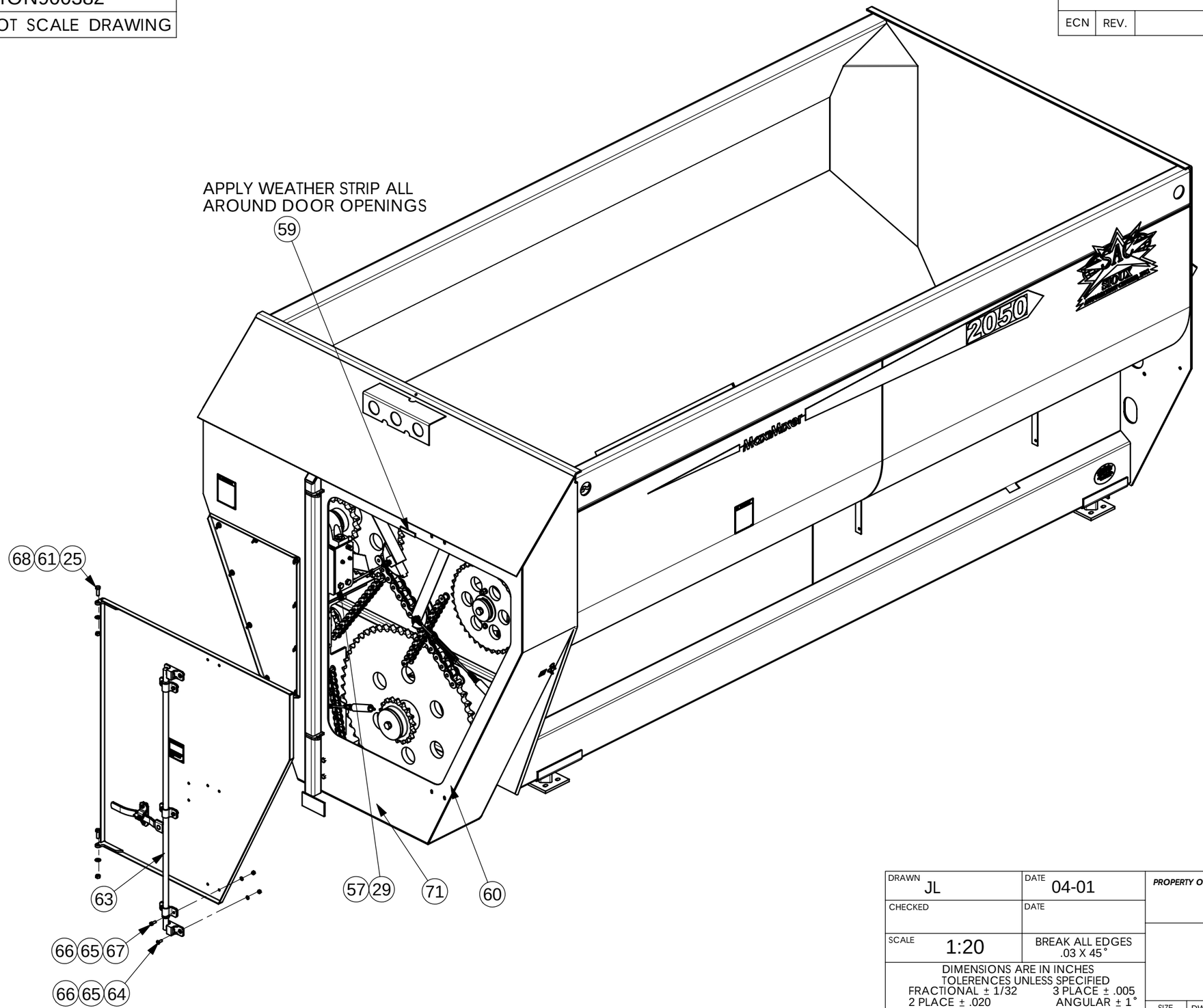

NOTE:
1.) CUT GREASE TUBE LENGTH TO SUIT AND RUN TUBING TO THE EIGHT BEARINGS INSIDE THE OILBATH AT ASSEMBLY. GREASE ZERKS ON BEARINGS TO BE REPLACED WITH PART # KN172822
2.) SHIM AS REQUIRED, USING SHIMS MON101066 AND MON101067.
3.) SHIM AS REQUIRED

| | | | |
|---|---|---|---|
| DRAWN JL | DATE 04-01 | PROPERTY OF | SIOUX AUTOMATION CENTER INC. 877 FIRST AVE NW SIOUX CENTER, IA 51250 |
| CHECKED | DATE | | |
| SCALE 1:18 | BREAK ALL EDGES .03 X 45° | | |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | | 2050,TRK,BASE,ASSY |
| MATERIAL AS NOTED | | SIZE B | DWG NO. MON900382 REV C |
| | | | SHEET 3 OF 4 |

DWG NO. MON900382

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV C |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |




| | | | |
|---|---|---|---|
| DRAWN JL | DATE 04-01 | PROPERTY OF | SIOUX AUTOMATION CENTER INC. 877 FIRST AVE NW SIOUX CENTER, IA 51250 |
| CHECKED | DATE | | |
| SCALE 1:20 | BREAK ALL EDGES .03 X 45° | | 2050,TRK,BASE,ASSY |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | SIZE B | DWG NO. MON900382 REV C |
| MATERIAL AS NOTED | | | SHEET 4 OF 4 |

| DWG NO. MON900394 |
|---|
| DO NOT SCALE DRAWING |

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |

AUGER ROTATION
FROM REAR



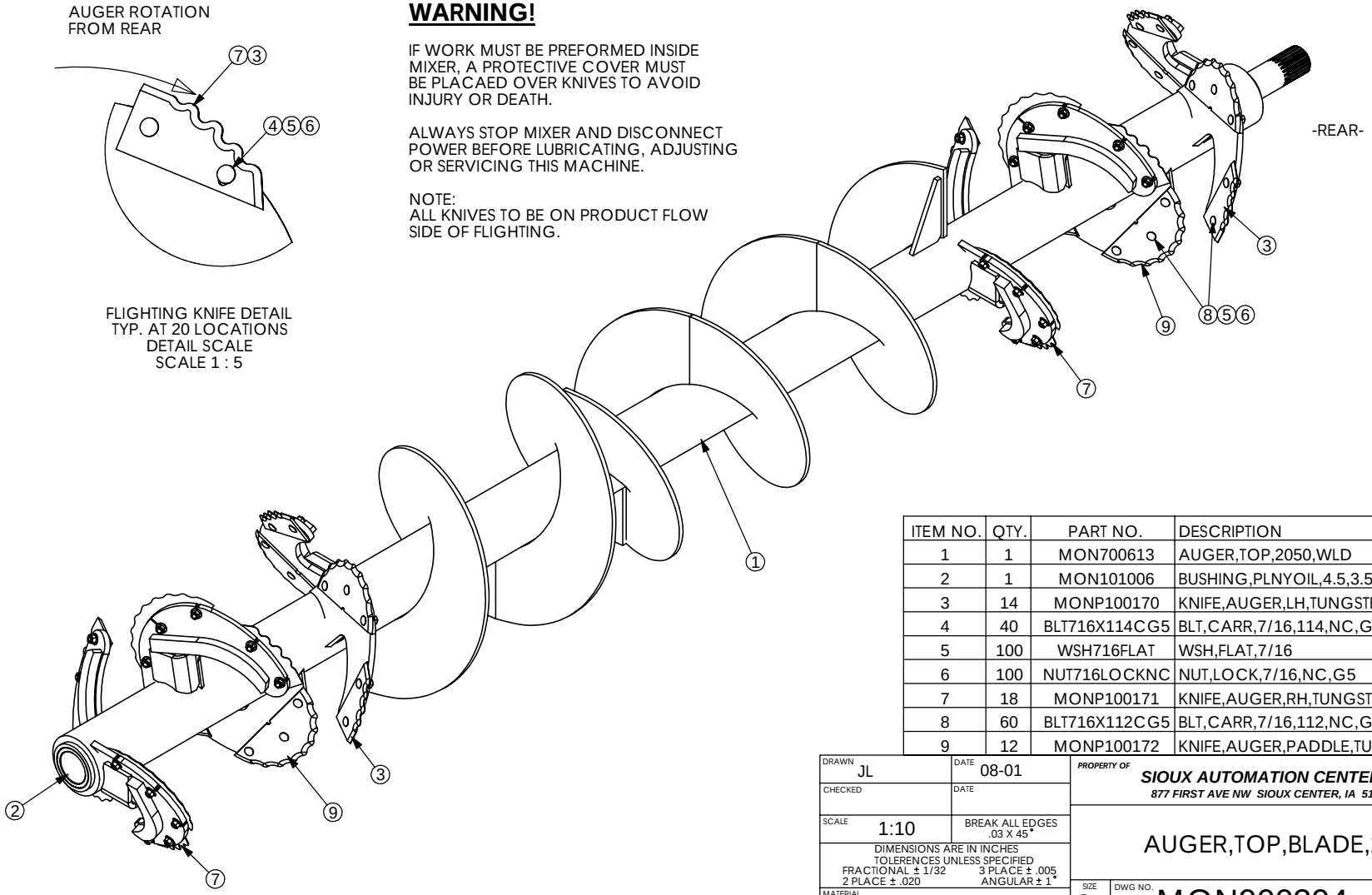

FLIGHTING KNIFE DETAIL
TYP. AT 20 LOCATIONS
DETAIL SCALE
SCALE 1 : 5

## WARNING!

IF WORK MUST BE PREFORMED INSIDE MIXER, A PROTECTIVE COVER MUST BE PLACAED OVER KNIVES TO AVOID INJURY OR DEATH.

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING OR SERVICING THIS MACHINE.

NOTE:
ALL KNIVES TO BE ON PRODUCT FLOW SIDE OF FLIGHTING.




| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON700613 | AUGER,TOP,2050,WLD |
| 2 | 1 | MON101006 | BUSHING,PLNYOIL,4.5,3.5,4 |
| 3 | 14 | MONP100170 | KNIFE,AUGER,LH,TUNGSTEN,TIPPED |
| 4 | 40 | BLT716X114CG5 | BLT,CARR,7/16,114,NC,G5 |
| 5 | 100 | WSH716FLAT | WSH,FLAT,7/16 |
| 6 | 100 | NUT716LOCKNC | NUT,LOCK,7/16,NC,G5 |
| 7 | 18 | MONP100171 | KNIFE,AUGER,RH,TUNGSTEN,TIPPED |
| 8 | 60 | BLT716X112CG5 | BLT,CARR,7/16,112,NC,G5 |
| 9 | 12 | MONP100172 | KNIFE,AUGER,PADDLE,TUNGSTEN |

| DRAWN | JL | DATE | 08-01 |
|---|---|---|---|
| CHECKED | | DATE | |
| SCALE | 1:10 | BREAK ALL EDGES .03 X 45° | |
| DIMENSIONS ARE IN INCHES<br>TOLERENCES UNLESS SPECIFIED<br>FRACTIONAL ± 1/32 3 PLACE ± .005<br>2 PLACE ± .020 ANGULAR ± 1° | | | |
| MATERIAL | AS NOTED | | |

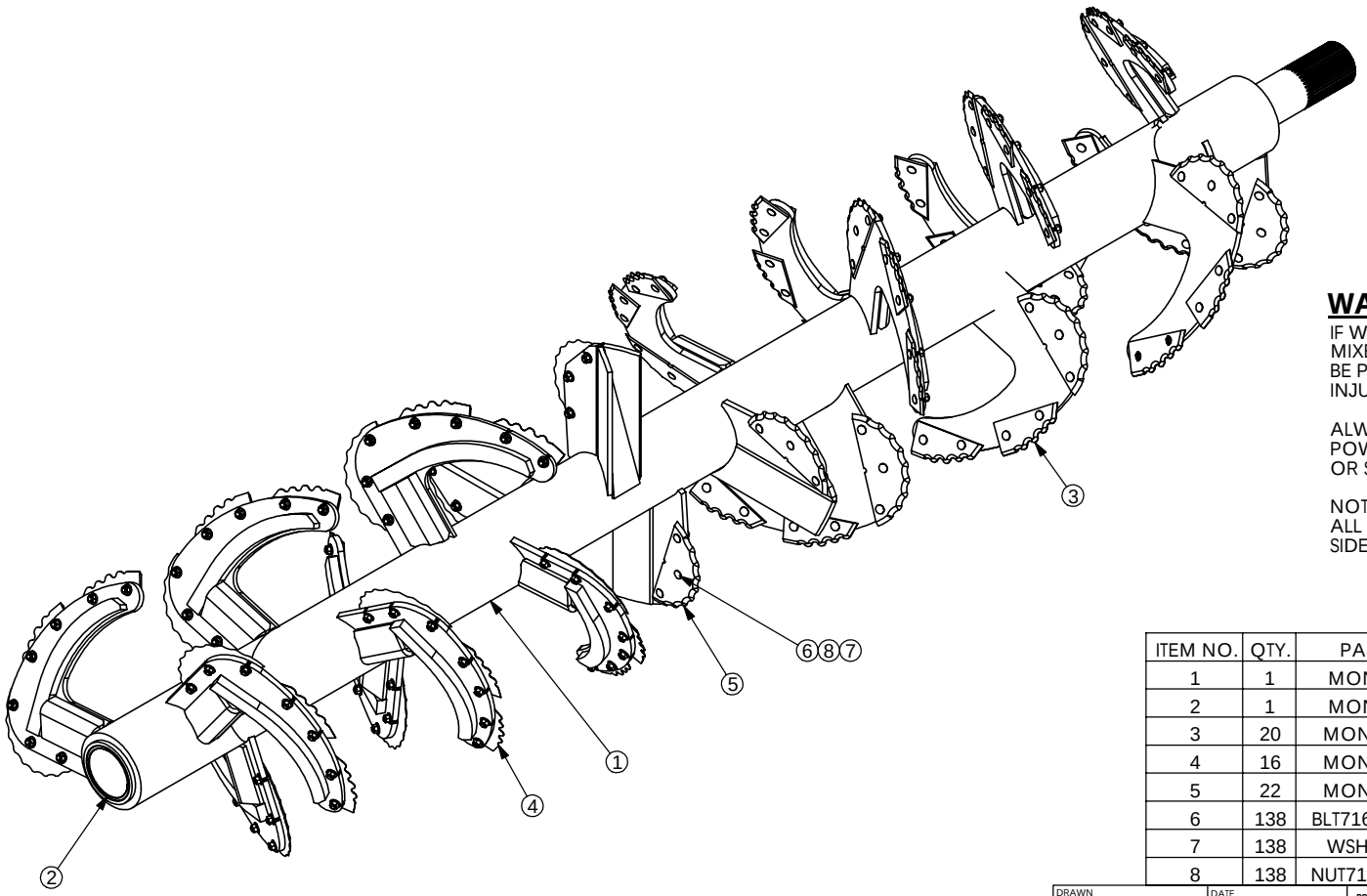
PROPERTY OF
**SIOUX AUTOMATION CENTER INC.**
877 FIRST AVE NW SIOUX CENTER, IA 51250

# AUGER,TOP,BLADE,2050,ASSY

| SIZE | DWG NO. | REV |
|---|---|---|
| B | MON900394 | SHEET 1 OF 1 |

| DWG NO. | MON900380 |
|---|---|
| DO NOT SCALE DRAWING | |

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |




## WARNING

IF WORK MUST BE PREFORMED INSIDE MIXER, A PROTECTIVE COVER MUST BE PLACED OVER KNIVES TO AVOID INJURY OR DEATH.

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING OR SERVICING THIS MACHINE.

NOTE:
ALL KNIVES TO BE ON PRODUCT FLOW SIDE OF BLADES AND PADDLES.

| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON700586 | AUGER,BOT,2050,25DEG.,WLD |
| 2 | 1 | MON101005 | BUSHING,PLNYOIL,5.5,6.25,6.13 |
| 3 | 20 | MONP100170 | KNIFE,AUGER,LH,TUNGSTEN,TIPPED |
| 4 | 16 | MONP100171 | KNIFE,AUGER,RH,TUNGSTEN,TIPPED |
| 5 | 22 | MONP100172 | KNIFE,AUGER,PADDLE,TUNGSTEN |
| 6 | 138 | BLT716X112CG5 | BLT,CARR,7/16,112,NC,G5 |
| 7 | 138 | WSH716FLAT | WSH,FLAT,7/16 |
| 8 | 138 | NUT716LOCKNC | NUT,LOCK,7/16,NC,G5 |

| DRAWN | JL | DATE | 04-01 |
|---|---|---|---|
| CHECKED | | DATE | |
| SCALE | 1:12 | BREAK ALL EDGES .03 X 45° | |

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL: AS NOTED

PROPERTY OF
**SIOUX AUTOMATION CENTER INC.**
877 FIRST AVE NW SIOUX CENTER, IA 51250

# AUGER,BOT,2050,25DEG,ASSY

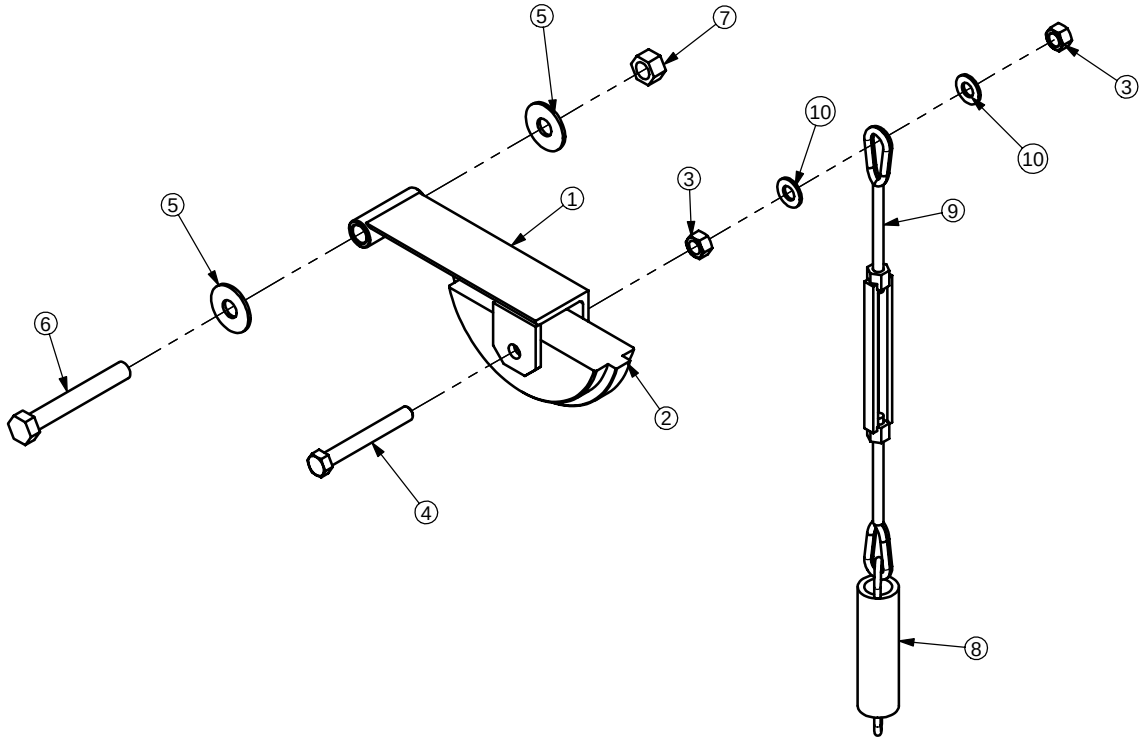
| SIZE | DWG NO. | REV |
|---|---|---|
| B | MON900380 | |

SHEET 1 OF 1

DWG NO. MON900383

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV A |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |
| 2313 | A | DEL: MON101070,BLT12X312NC,SPRLK38<br>ADD: BLT12X4NC,WSH12FLAT,NUT12LOCKNC | 08-03 | CM | |




| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON700597 | TIGHTNR,CHAIN,8 |
| 2 | 1 | MON100932 | TIGHTNR,NYL,CHAIN,100 |
| 3 | 2 | NUT12LOCKNC | NUT,LOCK,1/2,NC,G5 |
| 4 | 1 | BLT12X4NC | BLT,HEX,1/2,4,NC,G5 |
| 5 | 2 | WSH58FLAT | WSH,FLAT,5/8 |
| 6 | 1 | BLT58X412NC | BLT,HEX,5/8,4-1/2,NC,G5 |
| 7 | 1 | NUT58LOCKNC | NUT,LOCK,5/8,NC,G5 |
| 8 | 1 | OSW840253 | SPRING,EXPNSN |
| 9 | 1 | SPEE38 | TRNBCKL,3/8,EYE,EYE |
| 10 | 2 | WSH12FLAT | WSH,FLAT,1/2 |

NOTE:
1.) TENSION ON TIGHTENER SHOULD BE JUST ENOUGH TO PRODUCE SMOOTH TRAVEL OF CHAIN. OVER TIGHTENING WILL REDUCE TIGHTENER AND CHAIN LIFE.

DRAWN JL | DATE 05-01

CHECKED | DATE

SCALE 1:4 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 | 3 PLACE ± .005
2 PLACE ± .020 | ANGULAR ± 1°

MATERIAL AS SHOWN

PROPERTY OF
**SIOUX AUTOMATION CENTER INC.**
877 FIRST AVE NW SIOUX CENTER, IA 51250

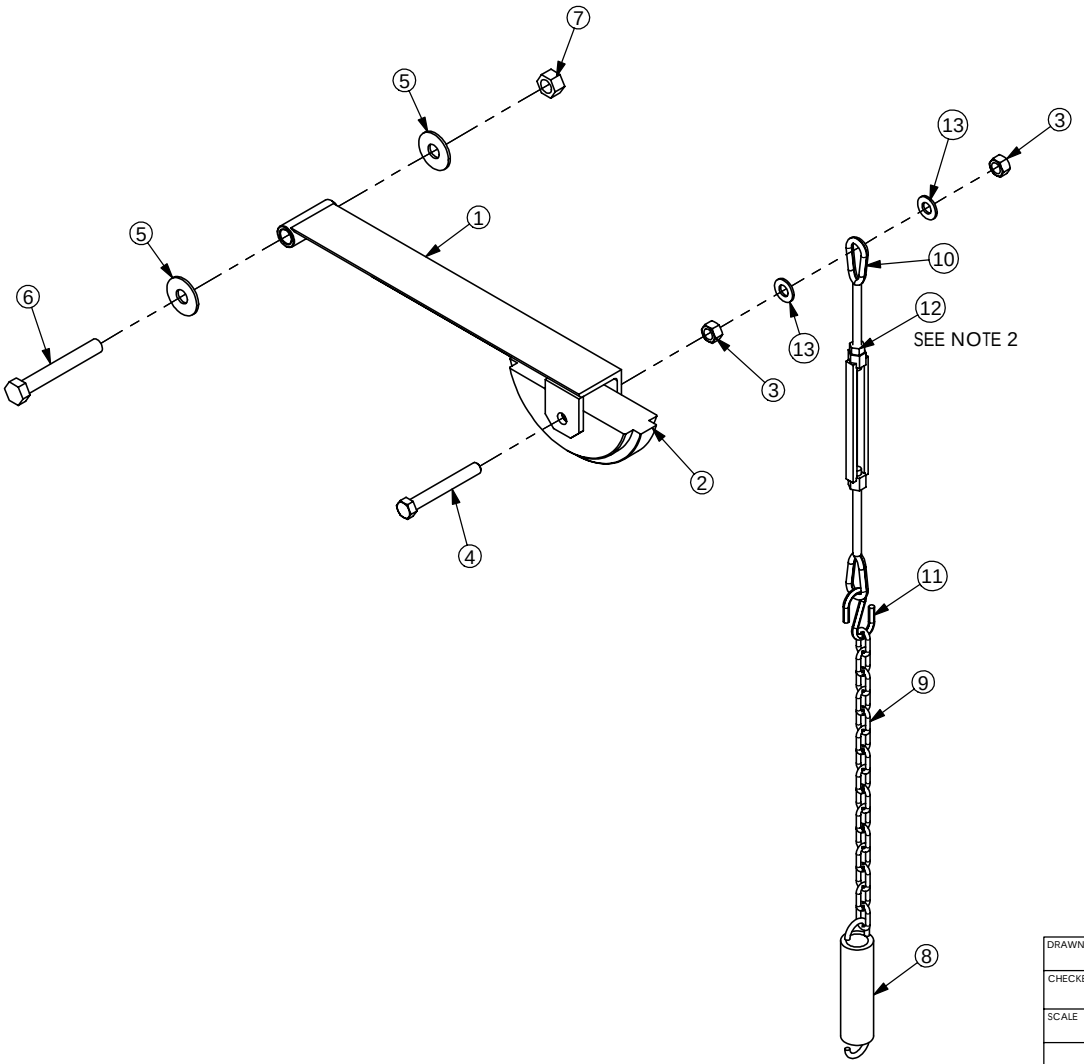
# TIGHTNR,CHAIN,100,8,ASSY

SIZE B | DWG NO. MON900383 | REV A | SHEET 1 OF 1

DWG NO. MON900373

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV B |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |
| 1371 | A | DELETED: OSW830843, ADDED: NUT38NC, OSW840253 SPEE38. CHG'D: RPP100036 QTY 2 WAS QTY 1 | 10-01 | JL | |
| 2313 | B | SEE ECN | 08-03 | CM | |




NOTE:
1.) TENSION ON TIGHTENER SHOULD BE JUST ENOUGH TO PRODUCE SMOOTH TRAVEL OF CHAIN. OVER TIGHTENING WILL REDUCE TIGHTENER AND CHAIN LIFE.
2.) TIGHTEN NUT AGAINST TURNBUCKLE AFTER PROPER TENSION ADJUSTMENT IS MADE.

| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON700559 | TIGHTNR,CHAIN,17 |
| 2 | 1 | MON101036 | TIGHTNR,NYL,CHAIN,120,140 |
| 3 | 2 | NUT12LOCKNC | NUT,LOCK,1/2,NC,G5 |
| 4 | 1 | BLT12X4NC | BLT,HEX,1/2,4,NC,G5 |
| 5 | 2 | WSH58FLAT | WSH,FLAT,5/8 |
| 6 | 1 | BLT58X412NC | BLT,HEX,5/8,4-1/2,NC,G5 |
| 7 | 1 | NUT58LOCKNC | NUT,LOCK,5/8,NC,G5 |
| 8 | 1 | OSW840253 | SPRING,EXPNSN |
| 9 | 1 | RP100547 | CHA316PC,15.25 |
| 10 | 1 | SPEE38 | TRNBCKL,3/8,EYE,EYE |
| 11 | 1 | RPP100036 | HOOK,S,ROPE |
| 12 | 1 | NUT38NC | NUT,HEX,3/8,NC,G5 |
| 13 | 2 | WSH12FLAT | WSH,FLAT,1/2 |

DRAWN JL | DATE 11-00

CHECKED | DATE

SCALE 1:5 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS SHOWN

PROPERTY OF
**SIOUX AUTOMATION CENTER INC.**
877 FIRST AVE NW SIOUX CENTER, IA 51250

# TIGHTNR,CHAIN,17,ASSY

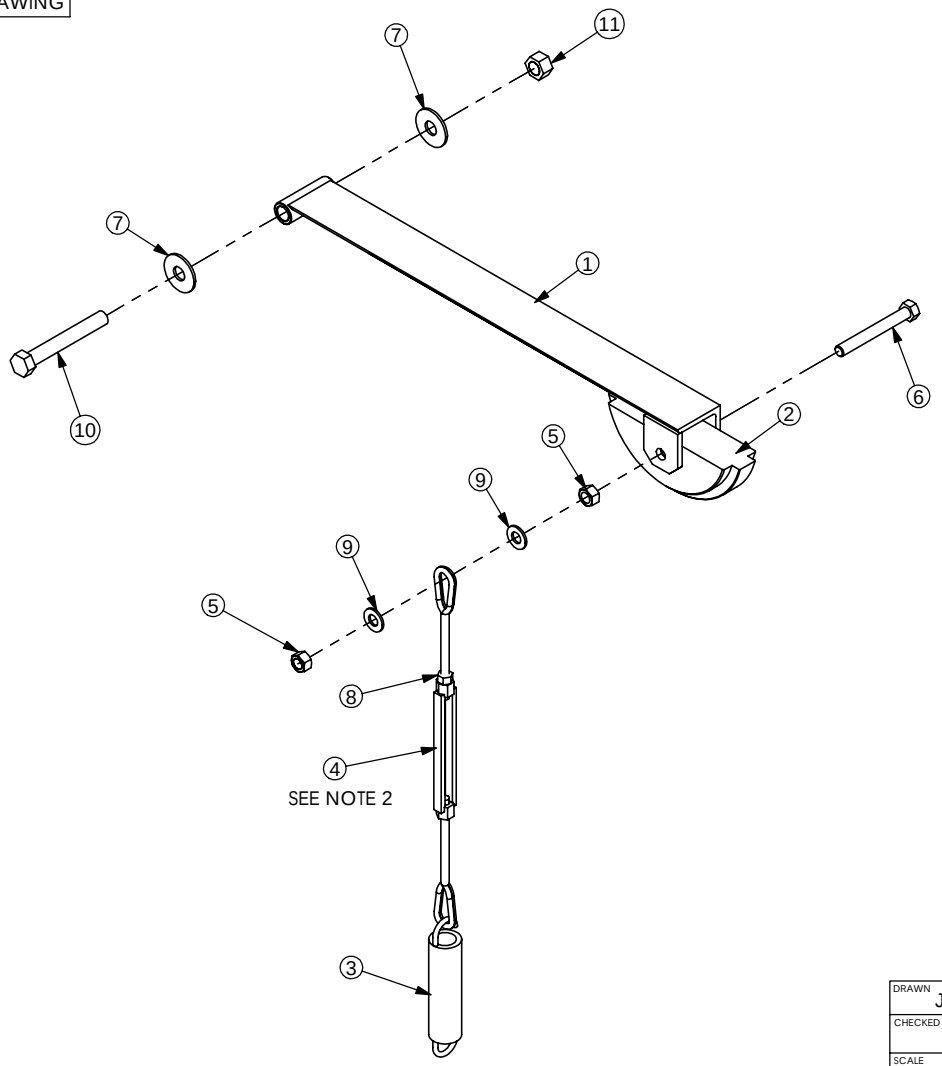
SIZE B | DWG NO. MON900373 | REV B

SHEET 1 OF 1

DWG NO. MON900374

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV B |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |
| 1498 | A | DEL: OSW830843, RPP100036, RP100547<br>ADD: OSW840253, SPRLK38, NUT38NC | 01-02 | JL | |
| 2313 | B | DEL: MON101070,BLT12X312NC,SPRLK38,NUT58LOCKNF<br>ADD: BLT12X4NC,WSH12FLAT,NUT12LOCKNC,NUT58LOCKNC | 08-03 | CM | |




NOTE:
1.) TENSION ON TIGHTENER SHOULD BE JUST ENOUGH TO PRODUCE SMOOTH TRAVEL OF CHAIN. OVER TIGHTENING WILL REDUCE TIGHTENER AND CHAIN LIFE.
2.) TIGHTEN NUT AGAINST TURNBUCKLE AFTER PROPER TENSION ADJUSTMENT IS MADE.

| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON700552 | TIGHTNR,CHAIN,23 |
| 2 | 1 | MON101036 | TIGHTNR,NYL,CHAIN,120,140 |
| 3 | 1 | OSW840253 | SPRING,EXPNSN |
| 4 | 1 | SPEE38 | TRNBCKL,3/8,EYE,EYE |
| 5 | 2 | NUT12LOCKNC | NUT,LOCK,1/2,NC,G5 |
| 6 | 1 | BLT12X4NC | BLT,HEX,1/2,4,NC,G5 |
| 7 | 2 | WSH58FLAT | WSH,FLAT,5/8 |
| 8 | 1 | NUT38NC | NUT,HEX,3/8,NC,G5 |
| 9 | 2 | WSH12FLAT | WSH,FLAT,1/2 |
| 10 | 1 | BLT58X412NC | BLT,HEX,5/8,4-1/2,NC,G5 |
| 11 | 1 | NUT58LOCKNC | NUT,LOCK,5/8,NC,G5 |

DRAWN JL | DATE 10-00

CHECKED | DATE

SCALE 1:5 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS SHOWN

PROPERTY OF
**SIOUX AUTOMATION CENTER INC.**
877 FIRST AVE NW SIOUX CENTER, IA 51250

# TIGHTNR,CHAIN,23,ASSY

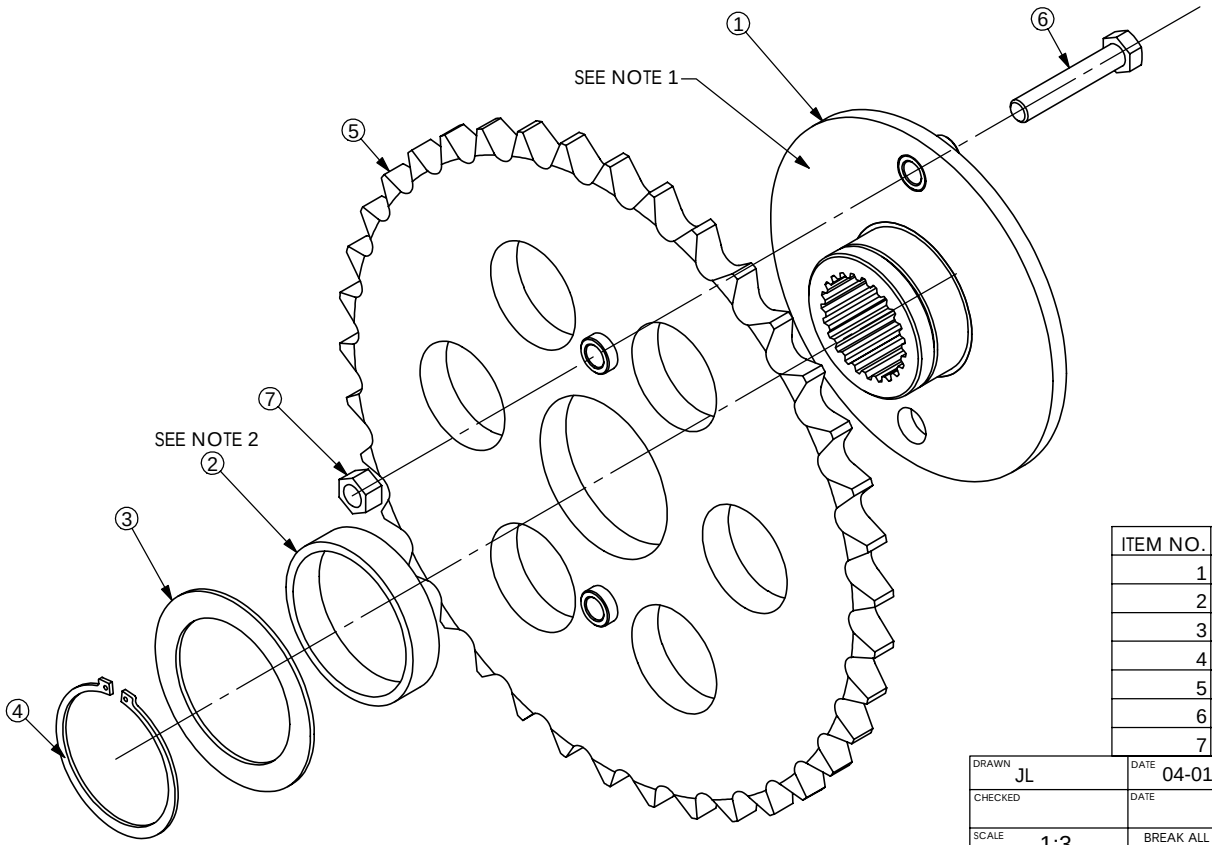
SIZE B | DWG NO. MON900374 | REV B

SHEET 1 OF 1

DWG NO. MON900381

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV A |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |
| 1316 | A | DEL; BLT58X312NC - QTY 1, NUT58LOCKNC - QTY 1<br>ADD; BLT58X312NF - QTY 1, NUT58LOCKNF - QTY 1 | 09-01 | JL | |




NOTE:

1.) APPLY A THIN FILM OF GEASE BETWEEN THE SHEAR HUB AND SPROCKET AT ASSY.

2.) THE BRONZE BUSHING IS TO BE PRESS FIT INTO THE SPROCKET.

3.) ONLY ONE GRADE 8 SHEAR BOLT IS TO BE USED IN ASSEMBLY. ANY ADDITION TO THIS WILL CAUSE DAMAGE TO MIXER.

| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON700580 | HUB,SHEAR,SPK,SPLINED,3,WLD |
| 2 | 1 | MON101079 | BRG,BUSHING,4.5,4,.92,BRZ |
| 3 | 1 | MON101080 | DISK,5.5,4.03,10GA |
| 4 | 1 | KN171989 | RING,SNAP,OUTSIDE,4 |
| 5 | 1 | MON700591 | SPK,120,A,38,4.5,SHEAR,WLD |
| 6 | 1 | BLT58X312NF | BLT,HEX,5/8,3-1/2,NF,G8 |
| 7 | 1 | NUT58LOCKNF | NUT,LOCK,5/8,NF,G8 |

DRAWN JL DATE 04-01

CHECKED DATE

SCALE 1:3 BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS SHOWN

PROPERTY OF

**SIOUX AUTOMATION CENTER INC.**

877 FIRST AVE NW SIOUX CENTER, IA 51250

# SPK,120,38,3,SHEAR,ASSY

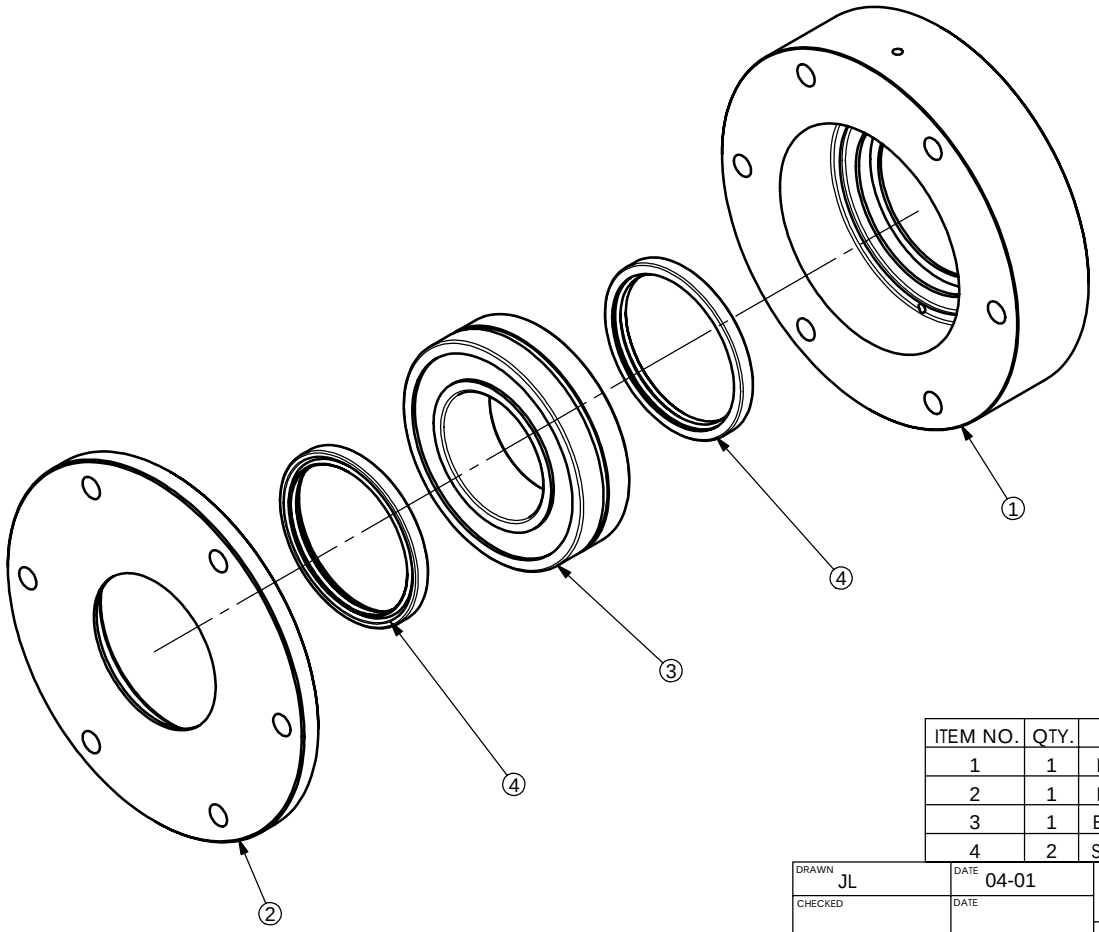
SIZE B DWG NO. MON900381 REV A

SHEET 1 OF 1

DWG NO. MON900377

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV - |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |




| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON101142 | HOUSING,BRG22224CJ |
| 2 | 1 | MON101143 | CAP,BRG22224CJ |
| 3 | 1 | BRG22224CJ | BRG,ROLLER,120MM,215MM,SPHER |
| 4 | 2 | SELNA417254 | SEAL,OIL,5.5,6,5,.56 |

DRAWN JL | DATE 04-01

CHECKED | DATE

SCALE 1:4 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS NOTED

PROPERTY OF
***SIOUX AUTOMATION CENTER INC.***
*877 FIRST AVE NW SIOUX CENTER, IA 51250*

BRG,FLG,6BLT,120mm,ASSY

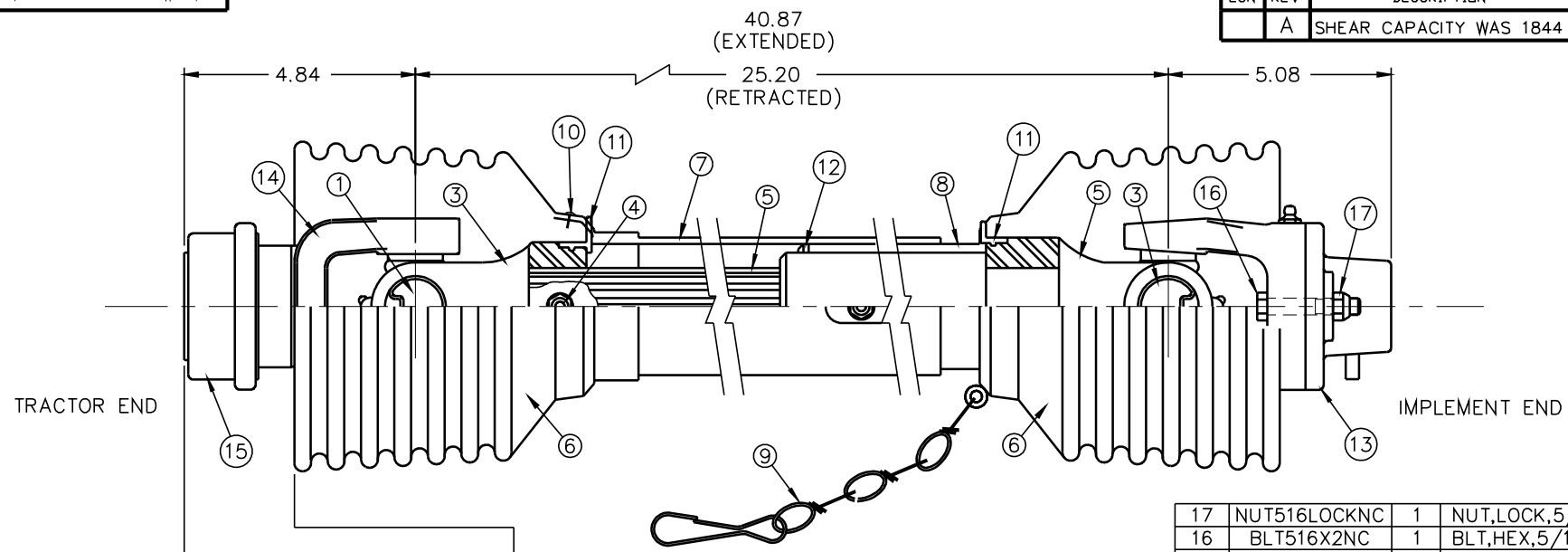
SIZE B | DWG NO. MON900377 | REV -

SHEET 1 OF 1

DWG. NO. MON\700424

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV A |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | SHEAR CAPACITY WAS 1844 FT.-LBS | 4-98 | VM | |




**WARNING!**
ALWAYS STOP MIXER WAGON AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

NOTE:
TRACTOR END: 1-3/8" 6-SPLINE YOKE
IMPLEMENT END: 1-3/8" 6-SPLINE YOKE W/SHEAR

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 17 | NUT516LOCKNC | 1 | NUT,LOCK,5/16,NC,G5 |
| 16 | BLT516X2NC | 1 | BLT,HEX,5/16,2,NC,G5 |
| 15 | PTO381908 | 1 | KIT,COLLAR,W2400,1.38,6SPLINE |
| 14 | PTO380907 | 1 | YOKE,W2400,1.38,6SPLINE |
| 13 | PTO391695 | 1 | YOKE,SHEAR,22400,1.38,6SPLINE |
| 12 | PTO355155 | 2 | BRG,SHIELD,WALTERSCHEILD |
| 11 | PTO087276 | 2 | BRG,RING,W2400,1.38,6SPLINE |
| 10 | PTO365305 | 2 | SCREW,CONE,SHIELD,WALTERSCHEID |
| 9 | PTO044321 | 1 | CHAIN,SAFETY,PTO |
| 8 | PTO388926 | 1 | SHIELD,INNER,PTO,W2400,BLK,PL |
| 7 | PTO391046 | 1 | SHIELD,OUTER,PTO,W2400,BLK,PL |
| 6 | PTO377336 | 2 | CONE,SHIELD,PTO,W2400,BLT,PL |
| 5 | PTO388924 | 1 | YOKE,TUBE,SLEEVE,40MM,W2400 |
| 4 | PTO020617 | 1 | PIN,ROLL,10MM,80MM |
| 3 | PTO388944 | 1 | TUBE,INNER,PTO,W2400,40MM,36MM |
| 2 | PTO385106 | 1 | YOKE,SPLINE,W2400,40MM,36MM |
| 1 | PTO312410 | 2 | BRG,SHIELD,PTO,KIT,W2400 |

DRAWN BM | DATE 12-97
CHECKED | DATE
SCALE 1:2.75 | BREAK ALL EDGES .03 X 45°
DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 | 3 PLACE ± .005
2 PLACE ± .020 | ANGULAR ± 1°
MATERIAL AS NOTED

PROPERTY OF
CENTER INDUSTRIES LTD.
SIOUX CENTER, IA. 51250

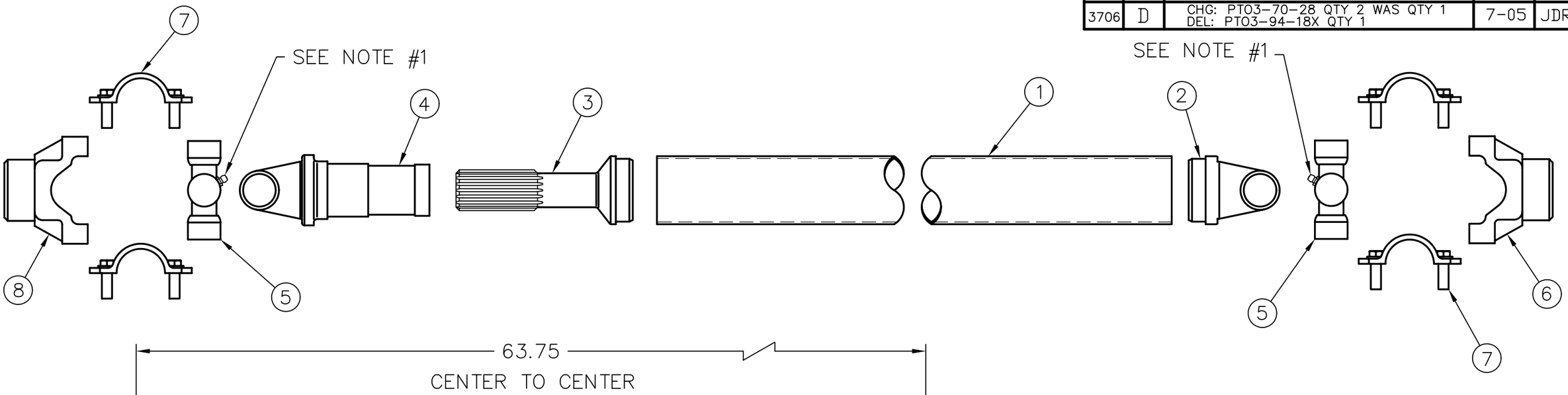
# PTO,W2400,25.2, WALTERSCHEID

SIZE B | DWG NO. MON\700424 | REV A

DWG. NO. SAC\75756

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV D |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | PTO3-4-283-1 WAS PTO3-4-283 | 8-01 | DGK | |
| 1472 | B | PTO3-70-28X WAS PTO3-94-18X | 1-02 | DGK | |
| 2778 | C | CHG: PTO3-70-28 QTY 1 WAS QTY 2<br>ADD: PTO3-94-18X QTY 1 | 4-04 | AP | |
| 3706 | D | CHG: PTO3-70-28 QTY 2 WAS QTY 1<br>DEL: PTO3-94-18X QTY 1 | 7-05 | JDR | |




| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 8 | PTO3-4-283-1 | 1 | YOKE,RND,1.25,AUTO,1.825 |
| 7 | PTO3-70-28X | 2 | BLT,U,PTO,CROSS |
| 6 | PTO3-4-613 | 1 | YOKE,RND,1.38,AUTO |
| 5 | PTO5-178X | 2 | CROSS,1.88,AUTO |
| 4 | PTO3-3-598KX | 1 | YOKE,SLIP,SLEEVE,OSW837229 |
| 3 | PTO3-40-1471 | 1 | YOKE,SLIP,STUB,SHAFT |
| 2 | PTO3-28-47 | 1 | YOKE,TUBE,WLD,AUTO,1.88 |
| 1 | SAC\30078 | 1 | WRM212X083DRL,54 |

NOTE:
1.) GREASE ZERKS TO BE LOCATED AS SHOWN TO BE ACCESSIBLE.

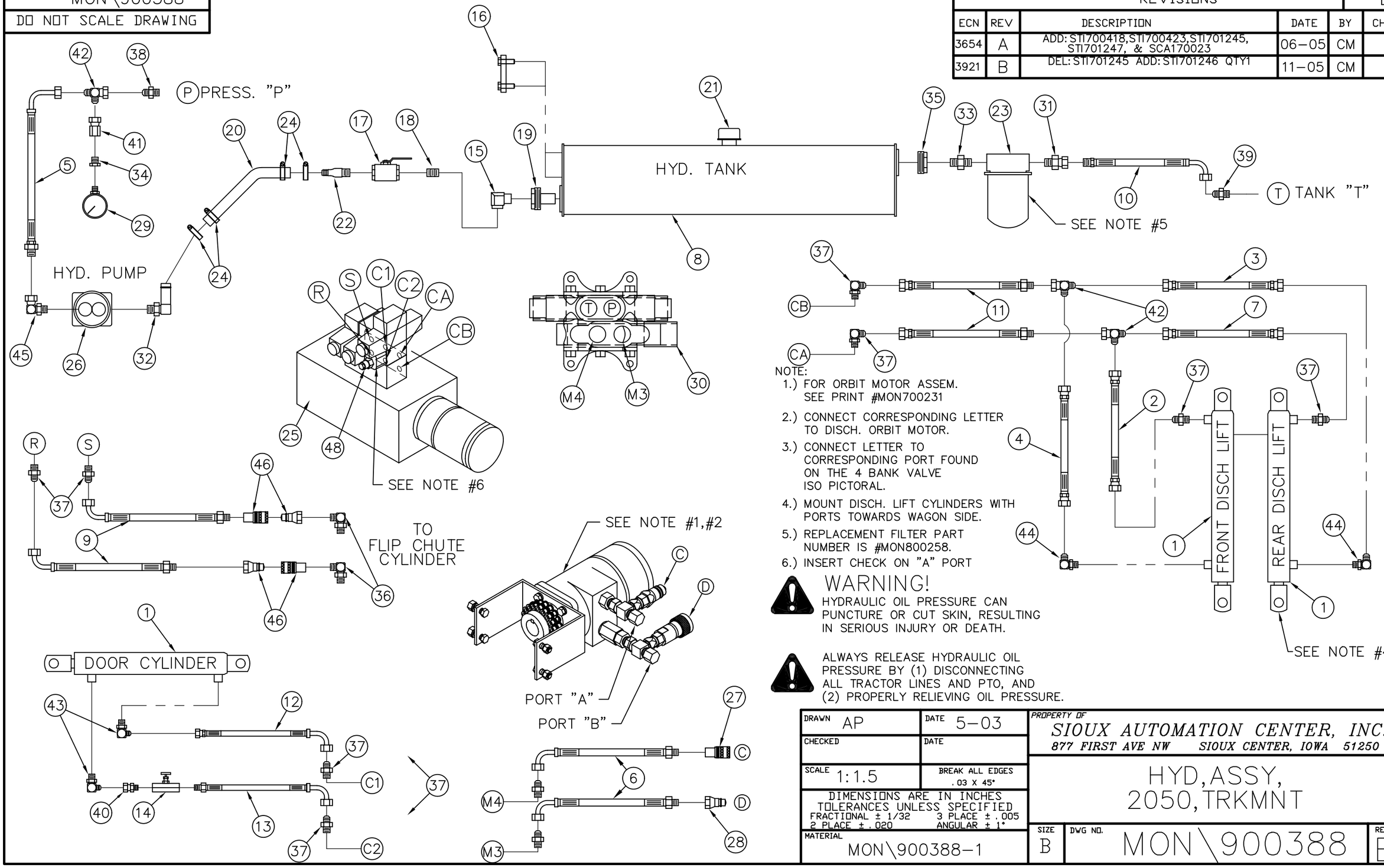
KNUCKLES MUST BE ALIGNED

| | | |
|---|---|---|
| DRAWN RDK | DATE 10-94 | PROPERTY OF *SIOUX AUTOMATION CENTER, INC.* *877 FIRST AVE NW SIOUX CENTER, IOWA 51250* |
| CHECKED | DATE | |
| SCALE 1:4 | BREAK ALL EDGES .03 X 45° | DRVLN,PTO, HANGER,KN |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | |
| MATERIAL AS NOTED | SIZE B | DWG NO. SAC\75756 REV D |

DWG. NO. MON\900388

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV B |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| 3654 | A | ADD: STI700418,STI700423,STI701245, STI701247, & SCA170023 | 06-05 | CM | |
| 3921 | B | DEL: STI701245 ADD: STI701246 QTY1 | 11-05 | CM | |




NOTE:

1.) FOR ORBIT MOTOR ASSEM. SEE PRINT #MON700231

2.) CONNECT CORRESPONDING LETTER TO DISCH. ORBIT MOTOR.

3.) CONNECT LETTER TO CORRESPONDING PORT FOUND ON THE 4 BANK VALVE ISO PICTORAL.

4.) MOUNT DISCH. LIFT CYLINDERS WITH PORTS TOWARDS WAGON SIDE.

5.) REPLACEMENT FILTER PART NUMBER IS #MON800258.

6.) INSERT CHECK ON "A" PORT

**WARNING!**

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

| | |
|---|---|
| DRAWN AP | DATE 5-03 |
| CHECKED | DATE |
| SCALE 1:1.5 | BREAK ALL EDGES .03 X 45° |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | |
| MATERIAL MON\900388-1 | |


PROPERTY OF
SIOUX AUTOMATION CENTER, INC.
877 FIRST AVE NW SIOUX CENTER, IOWA 51250


# HYD,ASSY, 2050,TRKMNT

| SIZE | DWG NO. | REV |
|---|---|---|
| B | MON\900388 | B |

# 2050 4 FUNCTION HYDRAULIC ASSEMBLY

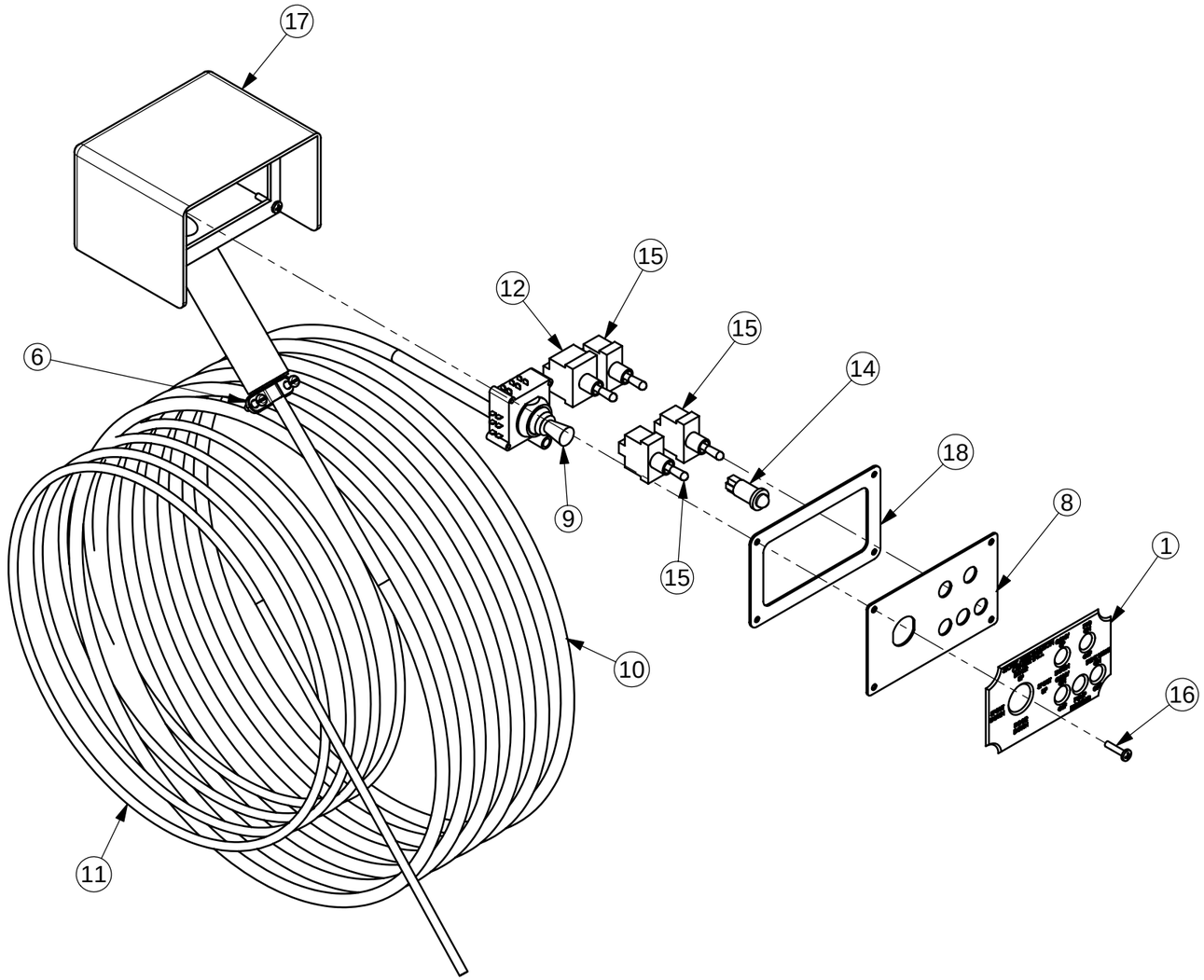
| | | | |
|---|---|---|---|
| | STI700418 | 144 | CABLE,BATTERY,1GA,BLK |
| | STI700423 | 4 | LUG,COPPER,1GA,13/32"STUD |
| | STI701246 | 1 | FUSE,SLOWBLOW,HIGHAMP,300AMP |
| | STI701247 | 1 | BLOCK,FUSE,HIGHAMP,80-300AMP |
| | SCA170023 | 1 | SWTCHBX,6,DOOR,ASSY |
| 50 | HYD6801-6-6 | -2 | ADPT,ELBOW,06,MJIC,06,MORG,90D |
| 49 | MON700253 | -2 | HOSE,HYD,3/8,66,06FJ,08FJ90 |
| 48 | HYDCBCALHNEBA | 1 | VALVE,CHECK,CNTRBLNC,SANDWICH |
| 47 | HYD6801-8-8 | 2 | ADPT,ELBOW,08,MJIC,08,MORG,90D |
| 46 | HYDS403 | 2 | COUP,QUICK,SLEEVE,2WAY,3/8FP |
| 45 | HYD6901-10-12 | 1 | ADPT,ELBOW,10,MORG,12,FP,90DEG |
| 44 | HYD6801-8-8 | 2 | ADPT,ELBOW,08,MJIC,08,MORG,90D |
| 43 | HYD6801-6-8 | 2 | ADPT,ELBOW,06,MJIC,08,MORG,90D |
| 42 | HYD6602-8-8-8 | 3 | ADPT,TEE,08,MJIC,08,FJIC,08,MJ |
| 41 | HYD6506-8-8 | 1 | ADPT,UNION,08,FP,08,FJIC |
| 40 | HYD6402-6-6 | 1 | ADPT,CONN,06,MORG,06,FJIC |
| 39 | HYD6400-12-10 | 1 | ADPT,CONN,12,MJIC,10,MORG |
| 38 | HYD6400-8-10 | 1 | ADPT,CONN,08,MJIC,10,MORG |
| 37 | HYD6400-8-8 | 8 | ADPT,CONN,08,MJIC,08,MORG |
| 36 | HYD6806-6-6 | 2 | ADPT,ELBOW,06,MORG,06,MP,90DEG |
| 35 | HYD5406-16-12 | 1 | BUSHING,HYD,16,MP,12,FP |
| 34 | HYD5406-8-4 | 1 | BUSHING,HYD,08,MP,04FP |
| 33 | HYD5404-12-12 | 1 | NIPPLE,HYD,12,MP,12,MP |
| 32 | HYD4601-20-16 | 1 | ADPT,ELBOW,1-1/4,BARB,16,MORG |
| 31 | HYD1501-12-12 | 1 | ADPT,UNION,12,MP,12,FP,90DEG |
| 30 | HYD38A1 | 1 | VALVE,CNTRL,1SPOOL,20GPM |
| 29 | HYD3000FL | 1 | GA,3000PSI,2-1/2,FLUID |
| 28 | HYDS7115 | 1 | TIP,COUP,SLEEVE,1WAY,#10FORG |
| 27 | HYDS2515 | 1 | BODY,COUP,QUICK,08,FORG |
| 26 | HYDP20C494EJ12 | 1 | PUMP,HYD,P20C494BEEJ12 |
| 25 | HYDM300 | 1 | POWER,UNIT,M-300,DYNA-JACK |
| 24 | HYDHK1813 | 4 | CLAMP,WIRE,OR,HOSE |
| 23 | HYDF11BA | 1 | FILTER,ASSY,10,MICRON,3/4,FP |
| 22 | HYDE804 | 1 | ADPT,1-1/4,BARB,1-1/4,MP,STL |
| 21 | HYDAB10003 | 1 | FILLER,MOUNT,TOP,3 |
| 20 | HYD114SUCHOSE | 65 | HOSE,SUCTION,1.25,WIRE,SPIRAL |
| 19 | HYDS25100RV3 | 1 | STRAINER,TANK |
| 18 | PFBL114CLNIP | 1 | NIPPLE,1-1/4,CLOSE,BLK |
| 17 | PFBR114BVALVE | 1 | VALVE,1-1/4,BALL,BRS |
| 16 | KN172532 | 1 | GA,SIGHT,LEVEL |
| 15 | HYD5502-20-20 | 1 | ELBOW,ST,HYD,20,MP,20,FP,90DEG |
| 14 | MON\800301 | 1 | NEEDLE VALVE 9/16-18 FETH (HYDNM620SK) PAINTED |
| 13 | MON\700684 | 1 | HOSE,HYD,3/8,83,06RA,08FJ90T |
| 12 | MON\700683 | 1 | HOSE,HYD,3/8,74,06FJ,08FJ90T |
| 11 | MON\700740 | 2 | HOSE,HYD,1/2,36,08MJ,08FJ |
| 10 | MON\700739 | 1 | HOSE,HYD,3/4,168,12MP,12FJ90T |
| 9 | MON\700738 | 2 | HOSE,HYD,3/8,50,08FJ90T,06MP |
| 8 | MON\700603 | 1 | TANK,HYD,OIL,10,48,WLD (c/w. KN102665) |
| 7 | MON\700402 | 1 | HOSE,HYD,1/2,102,08FJ,08FJ |
| 6 | MON\700718 | 2 | HOSE,HYD,1/2,33,08RA,08FJ90T |
| 5 | MON\700737 | 1 | HOSE,HYD,1/2,68,12MP,08FJ90TL |
| 4 | MON\700276 | 1 | HOSE,HYD,1/2,62,08FJ,08FJ |
| 3 | MON\700274 | 1 | HOSE,HYD,1/2,112,08FJ,08FJ |
| 2 | MON\700186 | 1 | HOSE,HYD,1/2,56,08FJ,08FJ |
| 1 | MON\100437 | 3 | CYL,HYD,2,10,PAINTED |
| ITEM | PART NO. | QTY. | DESCRIPTION |

NOTE: ITEMS #49 & #50 ARE REMOVED FROM FLIP CHUTE CYL & RETURNED TO INVENTORY

DWG NO. SCA170079

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV C |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CK |
| 4677 | A | DEL: 1 SCA170080, CHG: JES422005 QTY 3 WAS 4, SCACORD185 QTY 82 WAS 96 ADD: 1 SCA170089 | 1-07 | JK | |
| 4841 | B | CHG RED PUMP RUN WIRE FROM RED TO WHITE/BLK | 5-07 | CM | |
| 4864 | C | ADD: STI610809 QTY 1 | 5-07 | SZ | |




| ITEM | QTY. | PART # | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | DEC278 | DECAL,FACE,CNTRL,JYSTK,BOTEC |
| 2 | 2 | JES3AG10A | FUSE,10AMP,GLASS,.25,1.25 (NOT SHOWN) |
| 3 | 3 | JES422005 | CONN,BUTT,BLUE,16-14 |
| 4 | 1 | JES452145 | TRMNL,RING,BLUE,.25 |
| 5 | 15 | JES461065 | TRMNL,FORK,RED |
| 6 | 1 | JES6624 | CONN,CORD,FLEX,3/4,ROMEX |
| 7 | 1 | JESYELFEMALEI | TRMNL,SPADE,FEM,INSUL,YELLOW |
| 8 | 1 | SCA170078 | COVER,BOX,CNTRL,JYSTK |
| 9 | 1 | SCA170089 | SWITCH,JYSTK,DPDT,LOWPRO,WLD |
| 10 | 300 | SCAC2412 | CORD,BULK,18,12COND |
| 11 | 82 | SCACORD185 | CORD,BULK,18,5 |
| 12 | 1 | SCADPDTMOM | SWITCH,TOGGLE,DPDT,SC |
| 13 | 2 | SCAINLINE | HOLDER,FUSE,INLINE |
| 14 | 1 | SCAL50171 | LED,LAMP,12VDC |
| 15 | 3 | SCASPSTSC | SWITCH,TOGGLE,SPST,ON/OFF |
| 16 | 4 | SPMB832X34SSP | SCREW,MACH,8-32,3/4,SS |
| 17 | 1 | STI200109 | BOX,CNTRL,ELEC |
| 18 | 1 | STI610809 | GASKET,REMOTE,3.19,5.19 |
| 19 | 33 | STIWIRE14PR02 | WIRE,PRIMARY,14GA,RED |

| | |
|---|---|
| DRAWN CM | DATE 06-05 |
| CHECKED | DATE |
| SCALE 1:4 | BREAK ALL EDGES .03 X 45° |

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS NOTED

PROPERTY OF *SIOUX AUTOMATION CENTER INC.*
*877 FIRST AVE NW SIOUX CENTER, IA 51250*

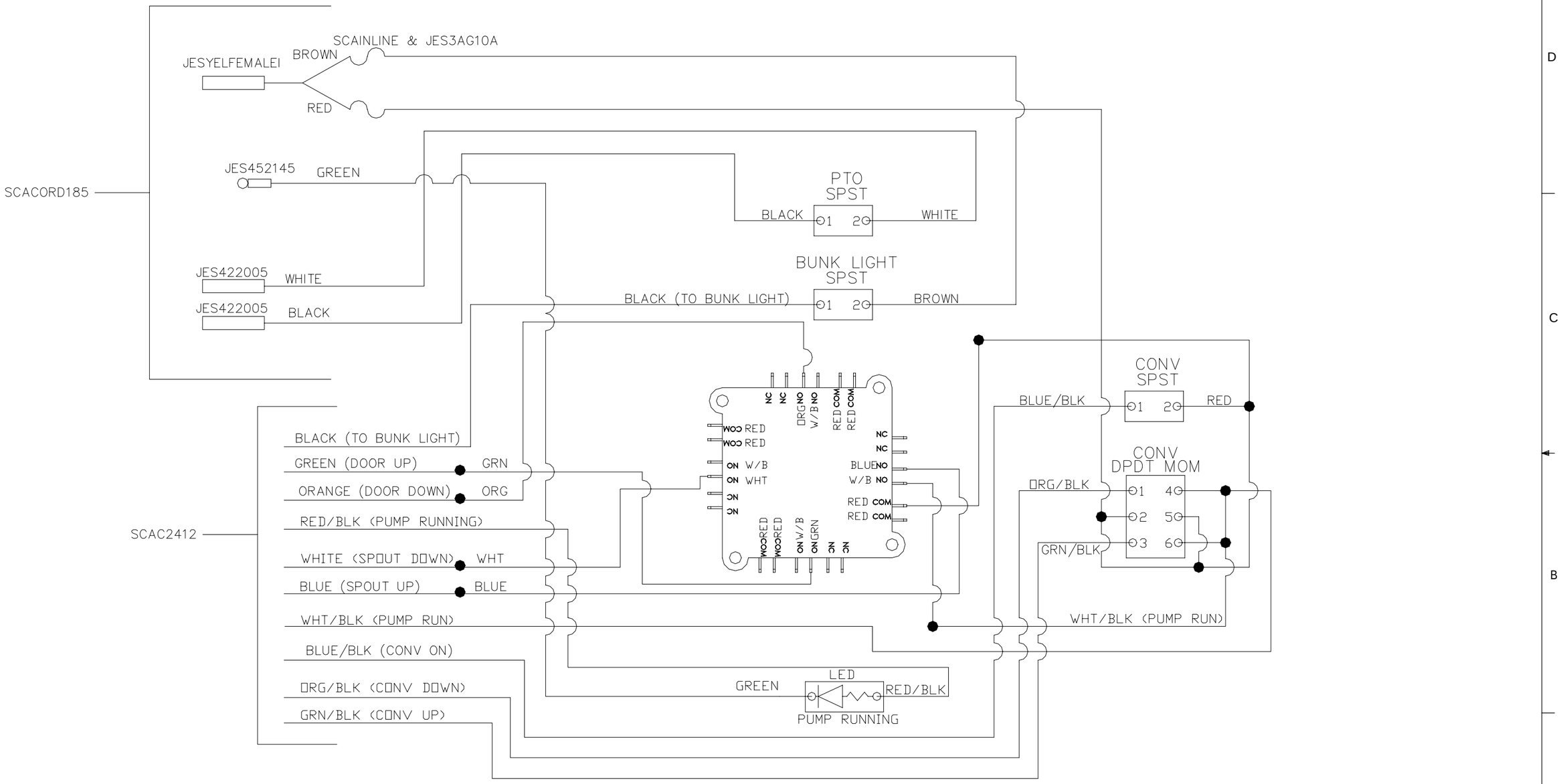
# SWTCHBOX,JYSTK,5SWTCH,ASSY

SIZE B | DWG NO. SCA170079 | REV C | SHEET 1 OF 2

DWG NO. SCA170079

DO NOT SCALE DRAWING

REV C



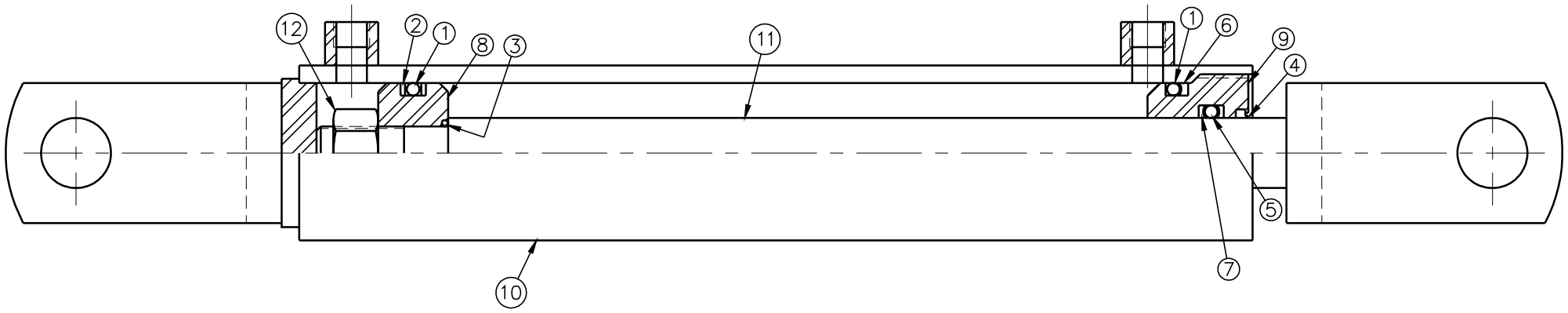

NOTE: BOTTOM VIEW OF SWITCHES

| | | | |
|---|---|---|---|
| DRAWN CM | DATE 06-05 | PROPERTY OF *SIOUX AUTOMATION CENTER INC.* *877 FIRST AVE NW SIOUX CENTER, IA 51250* | |
| CHECKED | DATE | | |
| SCALE 1:5 | BREAK ALL EDGES .03 X 45° | SWTCHBOX,JYSTK,5SWTCH,ASSY | |
| DIMENSIONS ARE IN INCHES TOLERENCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | | |
| MATERIAL AS NOTED | | SIZE B | DWG NO. SCA170079 REV C SHEET 2 OF 2 |

DWG. NO. MON\100437

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |




**WARNING!**

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

NOTE:
1.) SEAL KIT #MON800094 INCLUDES ITEMS #1–#7.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 12 | NUT34NF | 1 | NUT,HEX,3/4,NF,G8 |
| 11 | MON\800238 | 1 | RAM,CYL,1,2,10 |
| 10 | MON\800237 | 1 | DISCH. CYL. TUBE ASSEM. |
| 9 | MON\800081 | 1 | PACKING GLAND (2010–08) |
| 8 | MON\800078 | 1 | PISTON (2010–07) |
| 7 | MON\800085 | 2 | PARBACK (PARKER 8–318) |
| 6 | MON\800084 | 1 | PARBACK (PARKER 8–326) |
| 5 | MON\800083 | 1 | O'RING (2–318) |
| 4 | MON\800082 | 1 | WIPER (U–1000) |
| 3 | MON\800079 | 1 | SEAL (PARKER 2–018) |
| 2 | MON\800077 | 2 | SPIRAL TEFLON RING (MS28782–29) |
| 1 | MON\800076 | 2 | O'RING (PARKER 2–326) |

DRAWN BM | DATE 5–95

CHECKED | DATE

SCALE 1:1.5 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 | 3 PLACE ± .005
2 PLACE ± .020 | ANGULAR ± 1°

MATERIAL MONP100122

PROPERTY OF
CENTER INDUSTRIES LTD.
SIOUX CENTER, IA. 51250

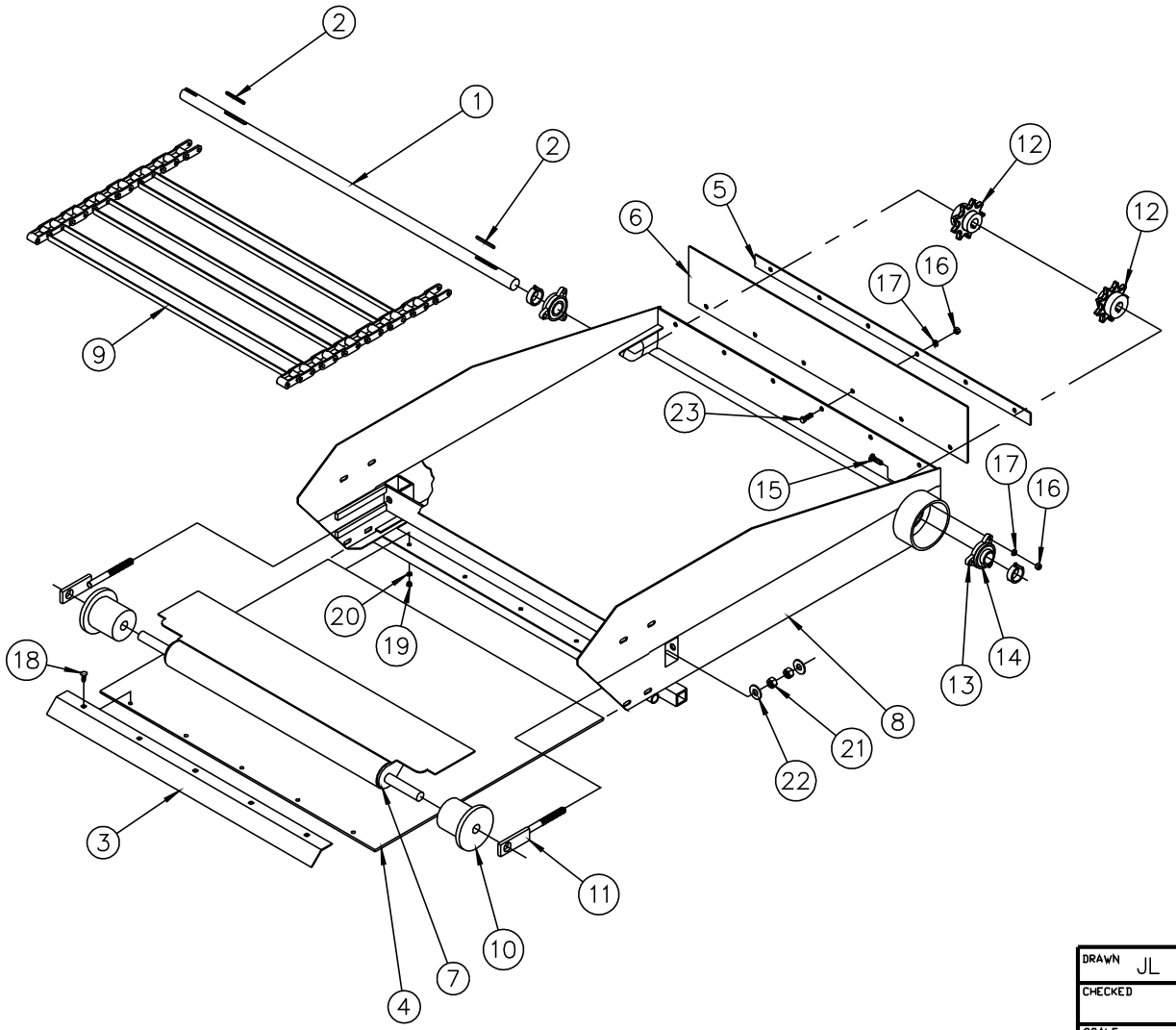
# CYL,HYD,2,10,PAINTED

SIZE B | DWG NO. MON\100437 | REV

DWG. NO. MON\900340

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV D |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | SPGZRK911 WAS SPGZRK637 | 11-99 | JL | |
| | B | 4052 WAS 4049, MON\700526 WAS SAC\35342 | 12-99 | JL | |
| | C | ADDED MON\1000907 & MON\1000929 | 1-00 | JL | |
| | D | MON\100906 WAS MON\100929 | 06-00 | JL | |




## WARNING!

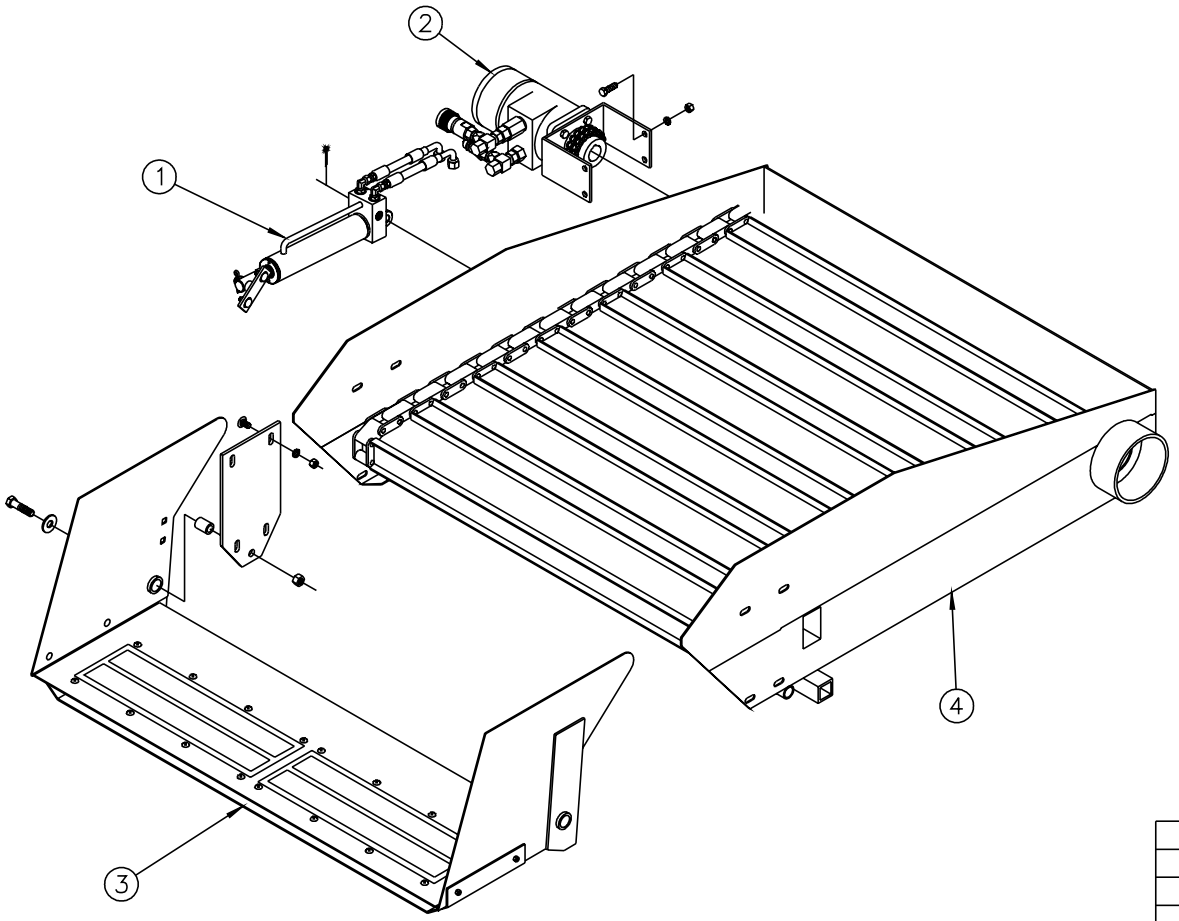
ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 23 | BLT38X1NC | 6 | BLT,HEX,3/8,1,NC,G5 |
| 22 | WSH58FLAT | 2 | WSH,FLAT,5/8 |
| 21 | NUT58SS | 4 | NUT,HEX,5/8,NC,SS |
| 20 | WSH516LOCK | 5 | WSH,LOCK,5/16 |
| 19 | NUT516NC | 5 | NUT,HEX,5/16,NC,G5 |
| 18 | BLT516X1CNC | 5 | BLT,CARR,5/16,1,NC,G5 |
| 17 | WSH38LOCK | 12 | WSH,LOCK,3/8 |
| 16 | NUT38NC | 12 | NUT,HEX,3/8,NC,G5 |
| 15 | BLT38X112CNC | 6 | BLT,CARR,3/8,1,NC,G2 |
| 14 | SPGZRK911 | 2 | ZRK,GRS,1/4-28,MALE,90DEG |
| 13 | BRGFYG220N | 2 | BRG,FLG,3BLT,1.25,MEDIUM |
| 12 | SAC\10201 | 2 | SPK,DRIVER,C56,C,9,1.25,831298 |
| 11 | SAC\10123 | 2 | TIGHTNR,DIS,143362 |
| 10 | SAC\10106 | 2 | ROLLER,IDLER,3.56,1.03,3.88 |
| 9 | MON\700526 | 1 | CHAIN,DIS,4052,WLD |
| 8 | MON\700517 | 1 | SHELL,DIS,4052,WLD |
| 7 | MON\700511 | 1 | EXT,FLR,DIS,40 |
| 6 | MON\100906 | 1 | EXTNSN,DIS,BOT,DOOR |
| 5 | MON\100907 | 1 | HOLDER,EXTNSN,DIS,BOT,DOOR |
| 4 | MON\100905 | 1 | PANEL,BOT,DIS,4052 |
| 3 | MON\100891 | 1 | BRKT,BOT,DIS,37.75 |
| 2 | MON\100866 | 2 | KEY516X516,2.5 |
| 1 | MON\100837 | 1 | SHAFT,DRIVE,DIS,48 |

| | | |
|---|---|---|
| DRAWN JL | DATE 9-99 | PROPERTY OF CENTER INDUSTRIES LTD. SIOUX CENTER, IA. 51250 |
| CHECKED | DATE | |
| SCALE 1:16 | BREAK ALL EDGES .03 X 45° | DIS,4052,ROLLER,ASSY |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | SIZE B / DWG NO. MON\900340 / REV D |
| MATERIAL AS NOTED | | |

| DWG. NO. MON\900364 |
|---|
| DO NOT SCALE DRAWING |

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |




## WARNING!

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

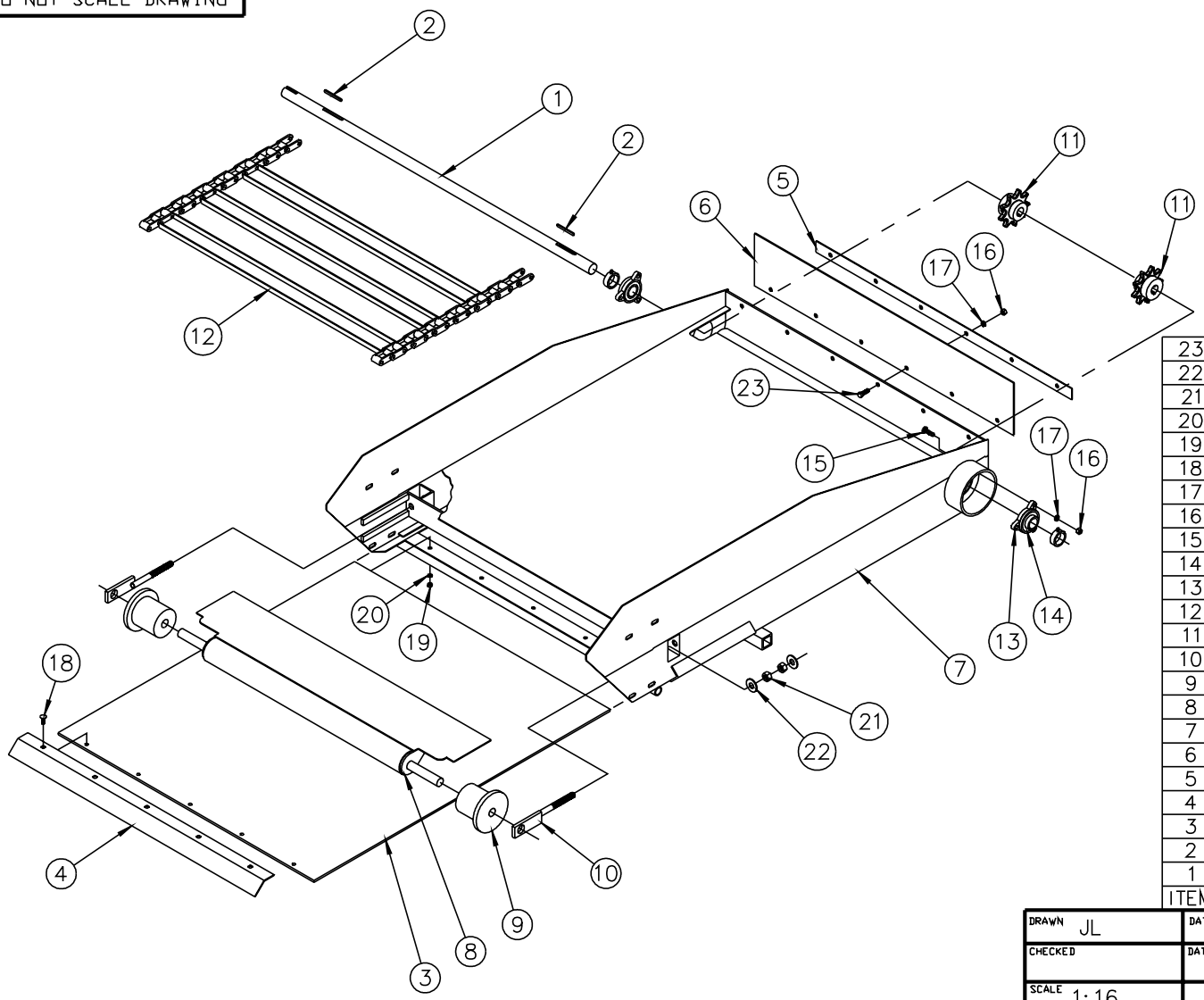
| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 4 | MON\900340 | 1 | DIS,4052,ROLLER,ASSY |
| 3 | MON\900335 | 1 | CHUTE,DIS,MAGNET,ASSY,40 |
| 2 | MON\700231 | 1 | DRIVE,DIS,ASSY |
| 1 | MON\700230 | 1 | CHUTE,FLIP,CYL,ASSY |

| | | |
|---|---|---|
| DRAWN JL | DATE 10-99 | PROPERTY OF CENTER INDUSTRIES LTD. SIOUX CENTER, IA. 51250 |
| CHECKED | DATE | |
| SCALE 1:12 | BREAK ALL EDGES .03 X 45° | DIS,ROLLER,4052,CMPLT |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | |
| MATERIAL AS NOTED | SIZE B | DWG NO. MON\900364 REV |

DWG. NO. MON\900341

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV C |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | SPGZRK911 WAS SPGZRK637 | 11-99 | JL | |
| | B | ADDED MON\1000907 & MON\100929 | 1-00 | JL | |
| | C | MON\100906 WAS MON\100929 | 06-00 | JL | |




## WARNING!

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 23 | BLT38X1NC | 6 | BLT,HEX,3/8,1,NC,G5 |
| 22 | WSH58FLAT | 4 | WSH,FLAT,5/8 |
| 21 | NUT58SS | 4 | NUT,HEX,5/8,NC,SS |
| 20 | WSH516LOCK | 5 | WSH,LOCK,5/16 |
| 19 | NUT516NC | 5 | NUT,HEX,5/16,NC,G5 |
| 18 | BLT516X1CNC | 5 | BLT,CARR,5/16,1,NC,G5 |
| 17 | WSH38LOCK | 12 | WSH,LOCK,3/8 |
| 16 | NUT38NC | 12 | NUT,HEX,3/8,NC,G5 |
| 15 | BLT38X112CNC | 6 | BLT,CARR,3/8,1.5,NC,G2 |
| 14 | SPGZRK911 | 2 | ZRK,GRS,1/4-28,MALE,90DEG |
| 13 | BRGFYG220N | 2 | BRG,FLG,3BLT,1.25,MEDIUM |
| 12 | SAC\35343 | 1 | CHAIN,DIS,ASSY,OSWALT,40,114.2 |
| 11 | SAC\10201 | 2 | SPK,DRIVER,C56,C,9,1.25,831298 |
| 10 | SAC\10123 | 2 | TIGHTNR,DIS,143362 |
| 9 | SAC\10106 | 2 | ROLLER,IDLER,3.56,1.03,3.88 |
| 8 | MON\700511 | 1 | EXT,FLR,DIS,40 |
| 7 | MON\700508 | 1 | SHELL,DIS,4062,WLD |
| 6 | MON\100906 | 1 | EXTNSN,DIS,BOT,DOOR |
| 5 | MON\100907 | 1 | HOLDER,EXTNSN,DIS,BOT,DOOR |
| 4 | MON\100891 | 1 | BRKT,BOT,DIS,37.75 |
| 3 | MON\100890 | 1 | PANEL,BOT,DIS,4062 |
| 2 | MON\100866 | 2 | KEY516X516,2.5 |
| 1 | MON\100837 | 1 | SHAFT,DRIVE,DIS,48 |

DRAWN JL | DATE 9-99

CHECKED | DATE

SCALE 1:16 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS NOTED

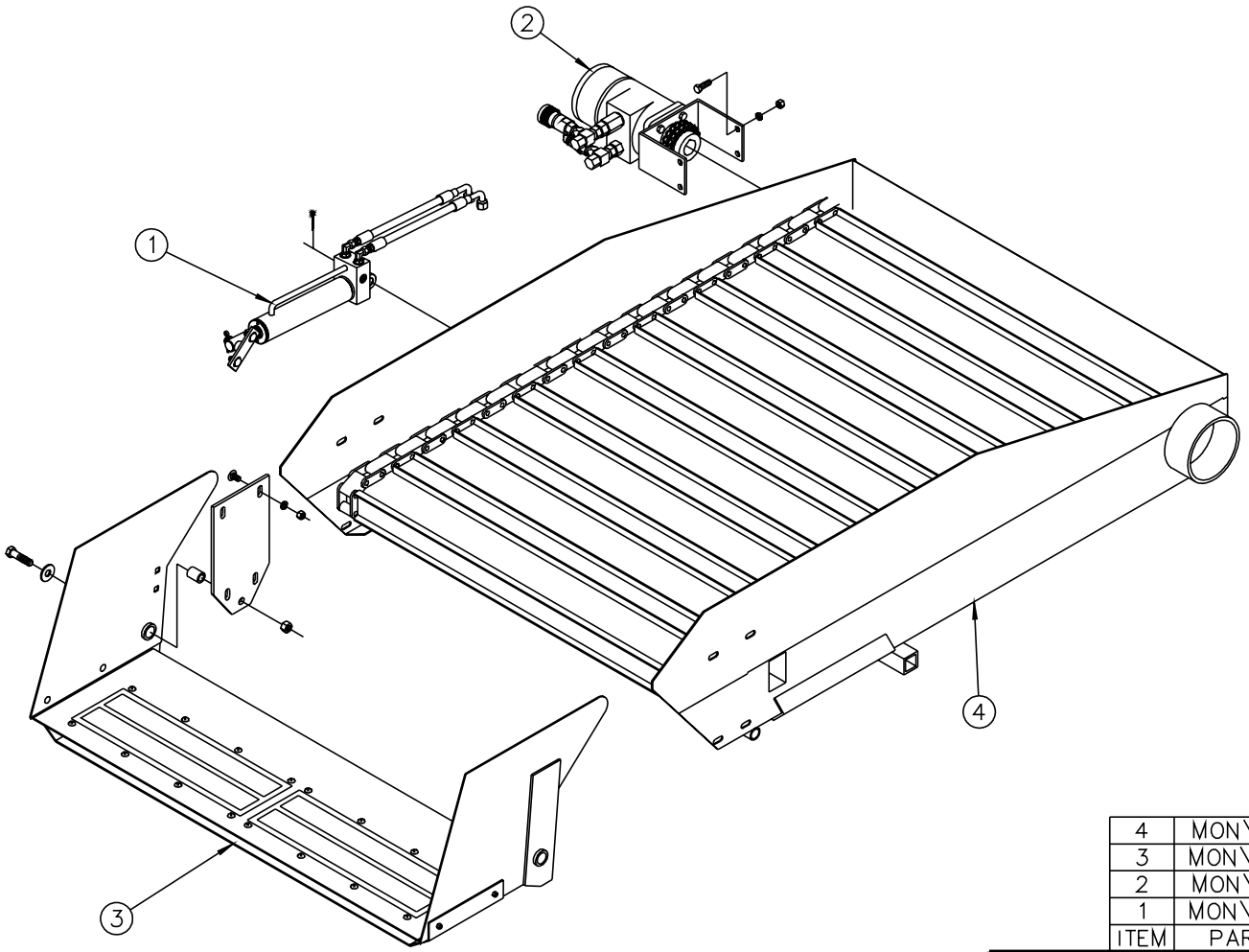
PROPERTY OF
SIOUX AUTOMATION CENTER, INC.
877 FIRST AVE NW SIOUX CENTER, IOWA 51250

# DIS,4062,ROLLER,ASSY

SIZE B | DWG NO. MON\900341 | REV C

| DWG. NO. MON\900361 |
|---|
| DO NOT SCALE DRAWING |

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |




## WARNING!

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

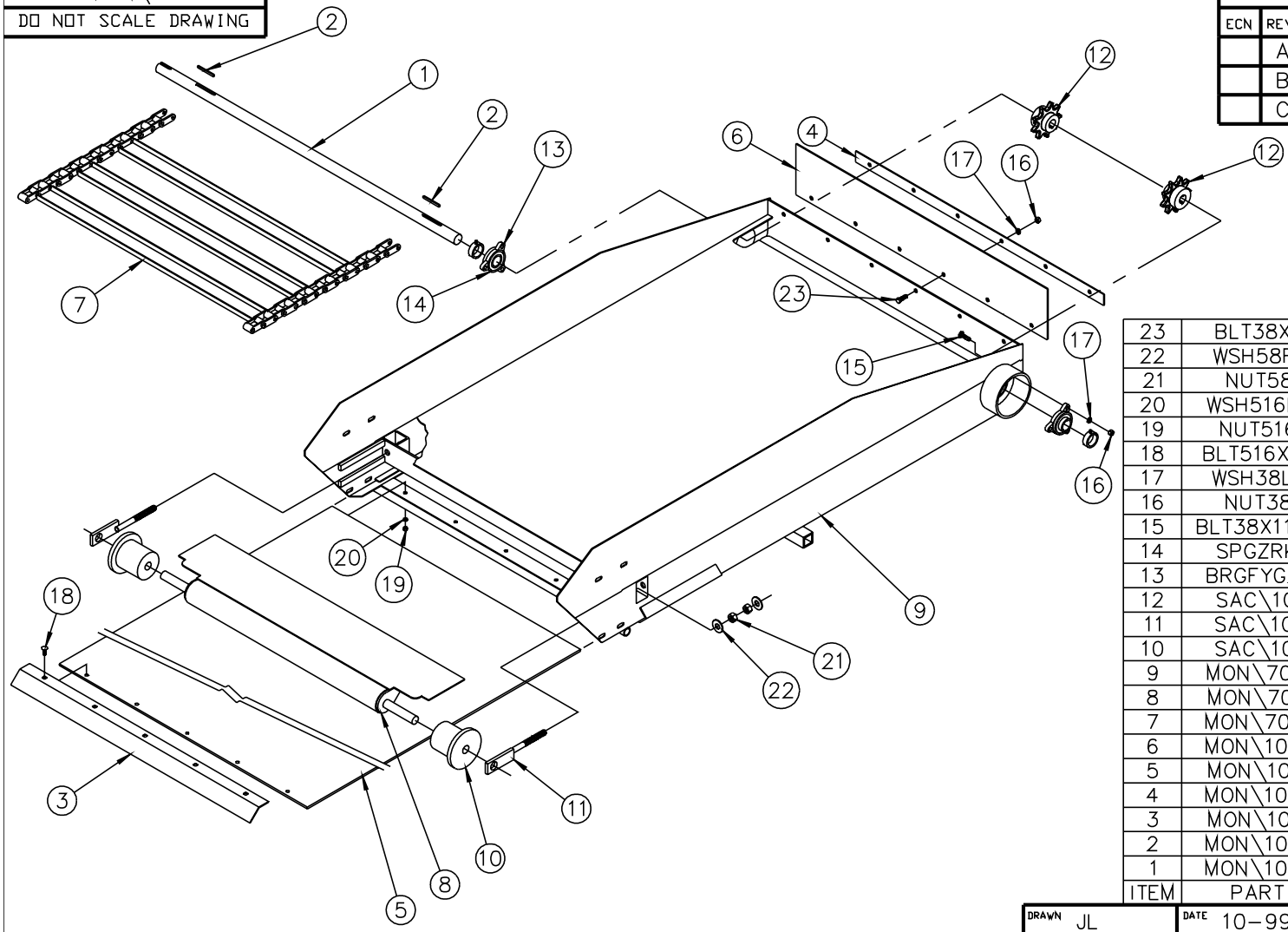
| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 4 | MON\900341 | 1 | DIS,4062,ROLLER,ASSY |
| 3 | MON\900335 | 1 | CHUTE,DIS,MAGNET,ASSY,40 |
| 2 | MON\700231 | 1 | DRIVE,DIS,ASSY |
| 1 | MON\700230 | 1 | CHUTE,FLIP,CYL,ASSY |

| | | |
|---|---|---|
| DRAWN JL | DATE 10-99 | PROPERTY OF CENTER INDUSTRIES LTD. SIOUX CENTER, IA. 51250 |
| CHECKED | DATE | |
| SCALE 1:12 | BREAK ALL EDGES .03 X 45° | DIS,ROLLER,4062,CMPLT |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | |
| MATERIAL AS NOTED | SIZE B | DWG NO. MON\900361 REV |

DWG. NO. MON\900342

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV C |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | SPGZRK911 WAS SPGZRK637 | 11-99 | JL | |
| | B | ADDED MON\100907 & MON\100929 | 01-00 | JL | |
| | C | MON\100906 WAS MON\100929 | 06-00 | JL | |




## WARNING!

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 23 | BLT38X1NC | 6 | BLT,HEX,3/8,1,NC,G5 |
| 22 | WSH58FLAT | 4 | WSH,FLAT,5/8 |
| 21 | NUT58SS | 4 | NUT,HEX,5/8,NC,SS |
| 20 | WSH516LOCK | 5 | WSH,LOCK,5/16 |
| 19 | NUT516NC | 5 | NUT,HEX,5/16,NC,G5 |
| 18 | BLT516X1CNC | 5 | BLT,CARR,5/16,1,NC,G5 |
| 17 | WSH38LOCK | 12 | WSH,LOCK,3/8 |
| 16 | NUT38NC | 12 | NUT,HEX,3/8,NC,G5 |
| 15 | BLT38X112CNC | 6 | BLT,CARR,3/8,1.5,NC,G2 |
| 14 | SPGZRK911 | 2 | ZRK,GRS,1/4-28,MALE,90DEG |
| 13 | BRGFYG220N | 2 | BRG,FLG,3BLT,1.25,MEDIUM |
| 12 | SAC\10201 | 2 | SPK,DRIVER,C56,C,9,1.25,831298 |
| 11 | SAC\10123 | 2 | TIGHTNR,DIS,143362 |
| 10 | SAC\10106 | 2 | ROLLER,IDLER,3.56,1.03,3.88 |
| 9 | MON\700521 | 1 | SHELL,DIS,4074,WLD |
| 8 | MON\700511 | 1 | EXT,FLR,DIS,40 |
| 7 | MON\700137 | 1 | CHAIN,DIS,MONO,ASSY,4074 |
| 6 | MON\100906 | 1 | EXTNSN,DIS,BOT,DOOR |
| 5 | MON\100921 | 1 | PANEL,BOT,DIS,4074 |
| 4 | MON\100907 | 1 | HOLDER,EXTNSN,DIS,BOT,DOOR |
| 3 | MON\100891 | 1 | BRKT,BOT,DIS,37.75 |
| 2 | MON\100866 | 2 | KEY516X516,2.5 |
| 1 | MON\100837 | 1 | SHAFT,DRIVE,DIS,48 |

DRAWN JL | DATE 10-99

CHECKED | DATE

SCALE 1:16 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS NOTED

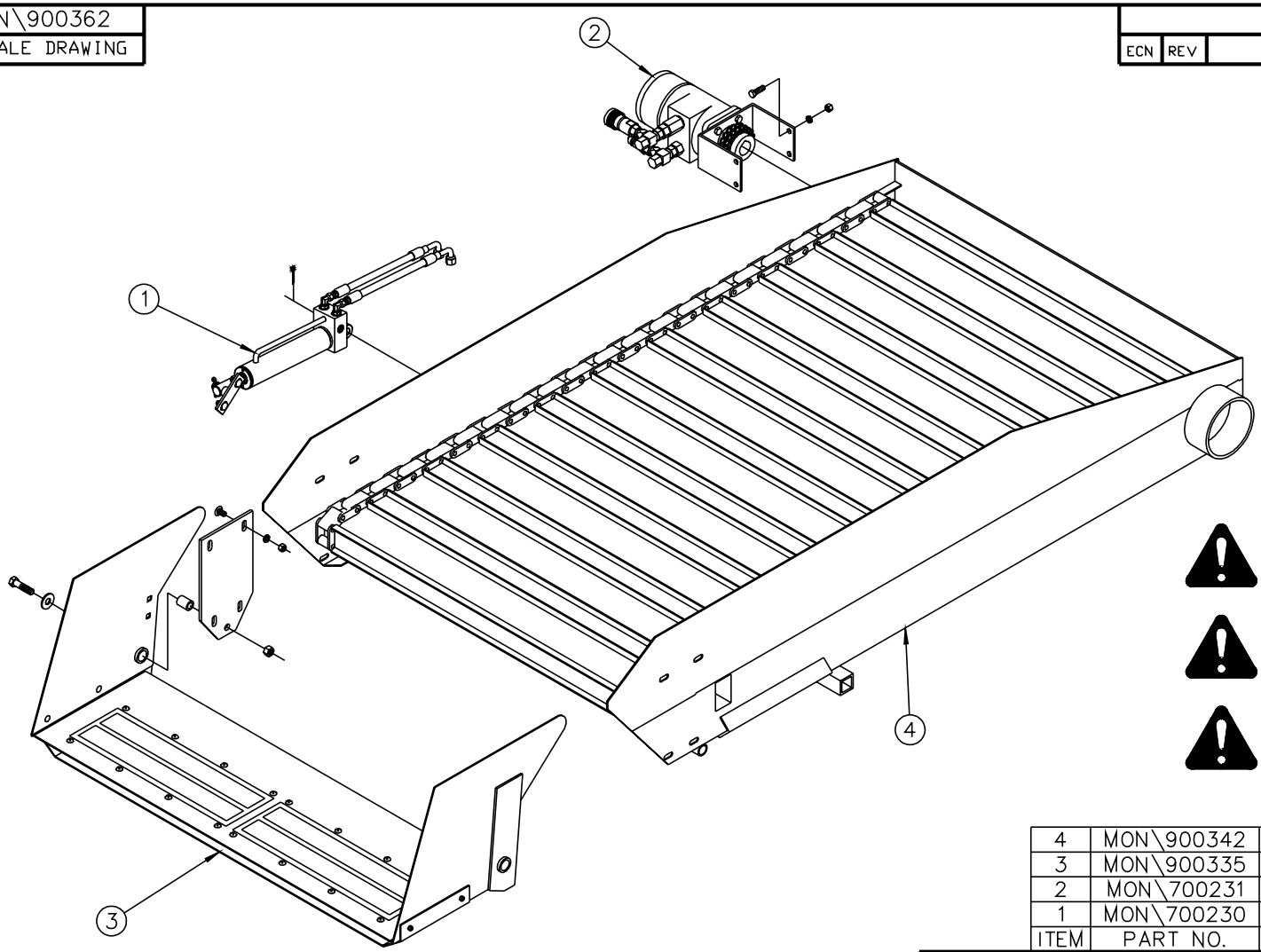
PROPERTY OF
CENTER INDUSTRIES LTD.
SIOUX CENTER, IA. 51250

# DIS,4074,ROLLER,ASSY

SIZE B | DWG NO. MON\900342 | REV C

| DWG. NO. MON\900362 |
|---|
| DO NOT SCALE DRAWING |

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |




## WARNING!

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

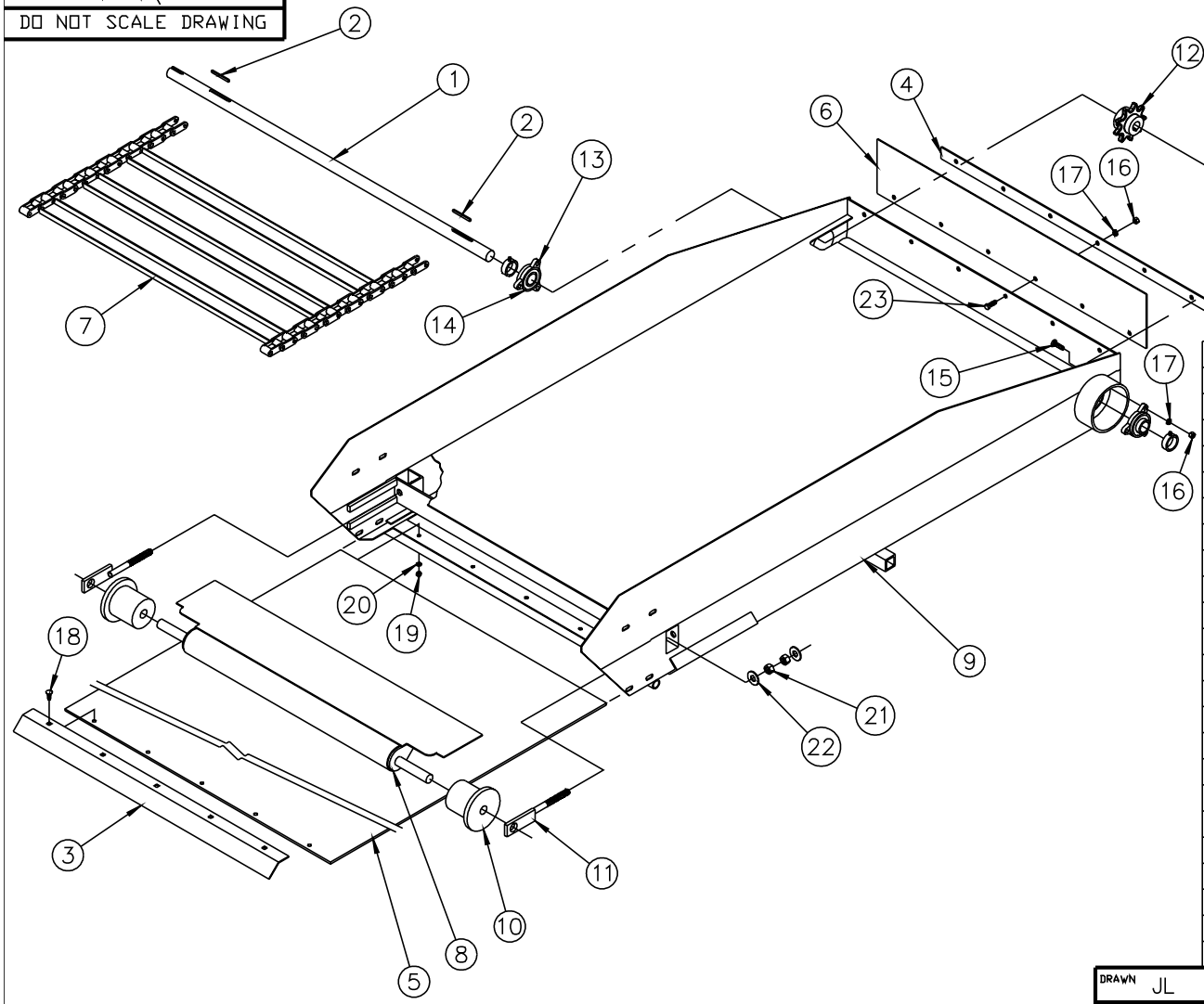
| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 4 | MON\900342 | 1 | DIS,4074,ROLLER,ASSY |
| 3 | MON\900335 | 1 | CHUTE,DIS,MAGNET,ASSY,40 |
| 2 | MON\700231 | 1 | DRIVE,DIS,ASSY |
| 1 | MON\700230 | 1 | CHUTE,FLIP,CYL,ASSY |

| | | |
|---|---|---|
| DRAWN JL | DATE 10-99 | PROPERTY OF CENTER INDUSTRIES LTD. SIOUX CENTER, IA. 51250 |
| CHECKED | DATE | |
| SCALE 1:12 | BREAK ALL EDGES .03 X 45° | DIS,ROLLER,4074,CMPLT |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | |
| MATERIAL AS NOTED | SIZE B | DWG NO. MON\900362 REV |

DWG. NO. MON\900343

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV C |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | SPGZRK911 WAS SPGZRK637 | 11-99 | JL | |
| | B | ADDED MON\100907 & MON\100929 | 01-00 | JL | |
| | C | MON\100906 WAS MON\100929 | 06-00 | JL | |




## WARNING!

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 23 | BLT38X1NC | 6 | BLT,HEX,3/8,1,NC,G5 |
| 22 | WSH58FLAT | 4 | WSH,FLAT,5/8 |
| 21 | NUT58SS | 4 | NUT,HEX,5/8,NC,SS |
| 20 | WSH516LOCK | 5 | WSH,LOCK,5/16 |
| 19 | NUT516NC | 5 | NUT,HEX,5/16,NC,G5 |
| 18 | BLT516X1CNC | 5 | BLT,CARR,5/16,1,NC,G5 |
| 17 | WSH38LOCK | 12 | WSH,LOCK,3/8 |
| 16 | NUT38NC | 12 | NUT,HEX,3/8,NC,G5 |
| 15 | BLT38X112CNC | 6 | BLT,CARR,3/8,1.5,NC,G2 |
| 14 | SPGZRK911 | 2 | ZRK,GRS,1/4-28,MALE,90DEG |
| 13 | BRGFYG220N | 2 | BRG,FLG,3BLT,1.25,MEDIUM |
| 12 | SAC\10201 | 2 | SPK,DRIVER,C56,C,9,1.25,831298 |
| 11 | SAC\10123 | 2 | TIGHTNR,DIS,143362 |
| 10 | SAC\10106 | 2 | ROLLER,IDLER,3.56,1.03,3.88 |
| 9 | MON\700522 | 1 | SHELL,DIS,4080,WLD |
| 8 | MON\700511 | 1 | EXT,FLR,DIS,40 |
| 7 | MON\700138 | 1 | CHAIN,DIS,MONO,ASSY,4080 |
| 6 | MON\100906 | 1 | EXTNSN,DIS,BOT,DOOR |
| 5 | MON\100922 | 1 | PANEL,BOT,DIS,4080 |
| 4 | MON\100907 | 1 | HOLDER,EXTNSN,DIS,BOT,DOOR |
| 3 | MON\100891 | 1 | BRKT,BOT,DIS,37.75 |
| 2 | MON\100866 | 2 | KEY516X516,2.5 |
| 1 | MON\100837 | 1 | SHAFT,DRIVE,DIS,48 |

DRAWN JL | DATE 10-99

CHECKED | DATE

SCALE 1:16 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS NOTED

PROPERTY OF
CENTER INDUSTRIES LTD.
SIOUX CENTER, IA. 51250

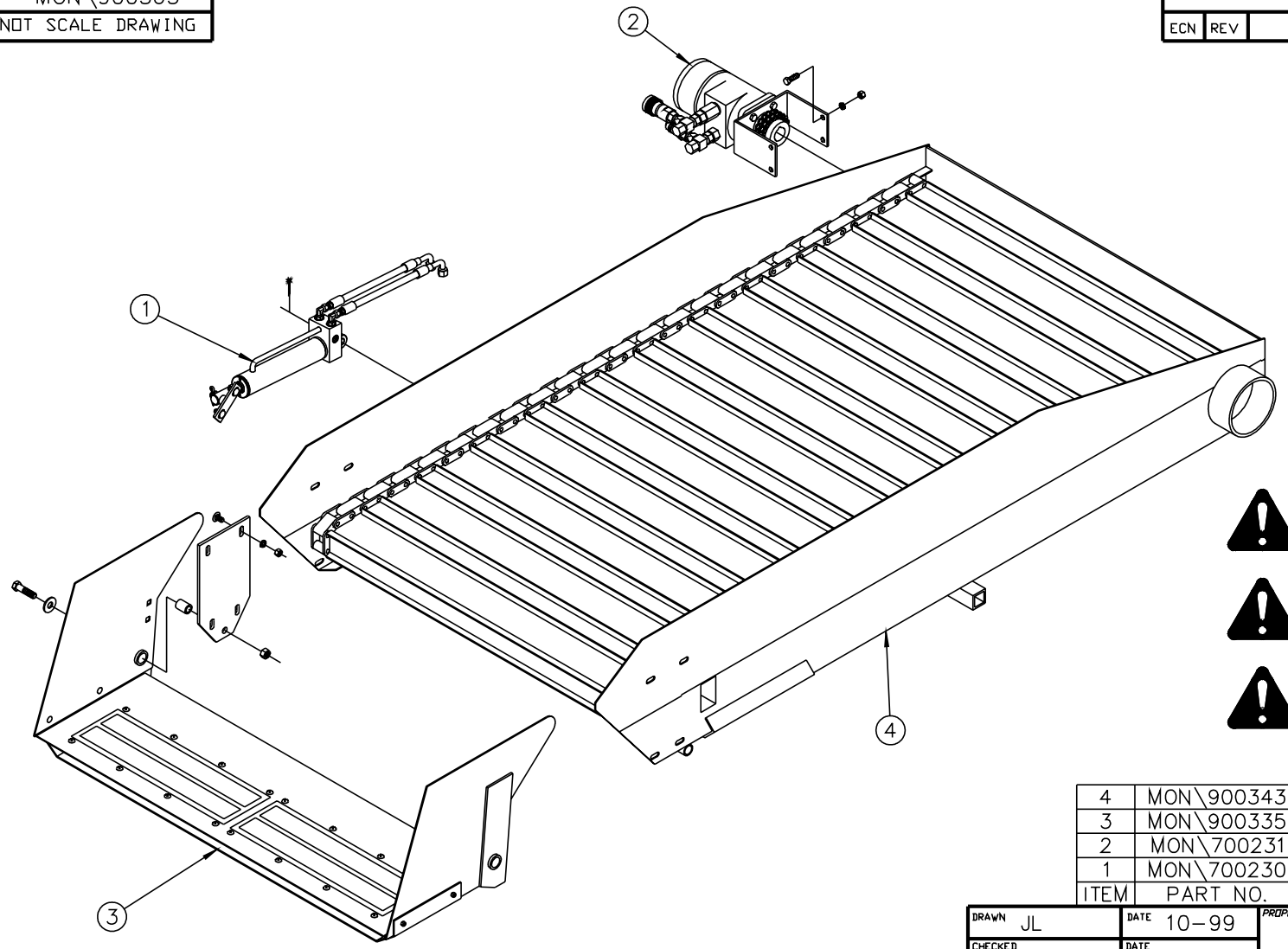
# DIS,4080,ROLLER,ASSY

SIZE B | DWG NO. MON\900343 | REV C

DWG. NO. MON\900363

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |




## WARNING!

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

ALWAYS RELEASE HYDRAULIC OIL PRESSURE BY (1) DISCONNECTING ALL TRACTOR LINES AND PTO, AND (2) PROPERLY RELIEVING OIL PRESSURE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 4 | MON\900343 | 1 | DIS,4080,ROLLER,ASSY |
| 3 | MON\900335 | 1 | CHUTE,DIS,MAGNET,ASSY,40 |
| 2 | MON\700231 | 1 | DRIVE,DIS,ASSY |
| 1 | MON\700230 | 1 | CHUTE,FLIP,CYL,ASSY |

| | | |
|---|---|---|
| DRAWN JL | DATE 10-99 | PROPERTY OF CENTER INDUSTRIES LTD. SIOUX CENTER, IA. 51250 |
| CHECKED | DATE | |
| SCALE 1:12 | BREAK ALL EDGES .03 X 45° | DIS,ROLLER,4080,CMPLT |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | SIZE B / DWG NO. MON\900363 / REV |
| MATERIAL AS NOTED | | |

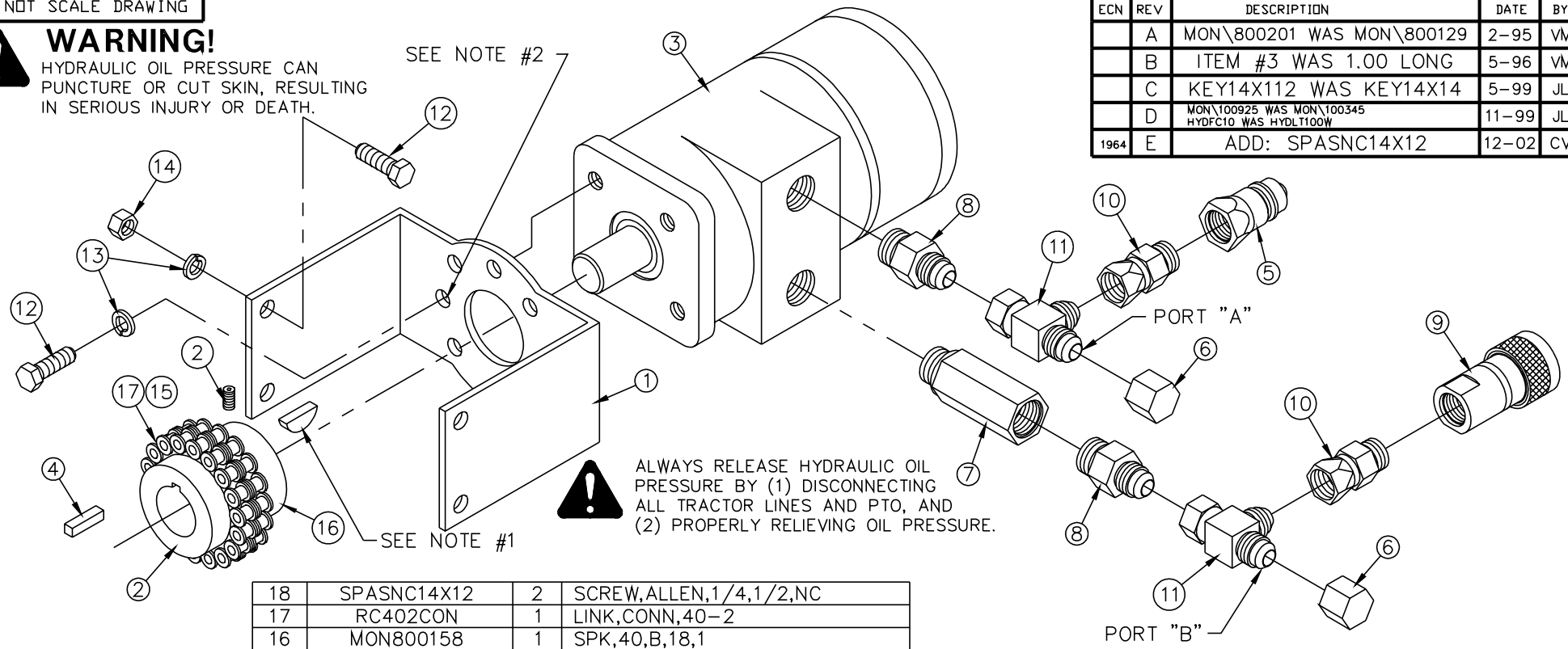
DWG. NO. MON\700231

DO NOT SCALE DRAWING

**WARNING!**

HYDRAULIC OIL PRESSURE CAN PUNCTURE OR CUT SKIN, RESULTING IN SERIOUS INJURY OR DEATH.

| REVISIONS | | | | | REV E |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | MON\800201 WAS MON\800129 | 2-95 | VM | |
| | B | ITEM #3 WAS 1.00 LONG | 5-96 | VM | |
| | C | KEY14X112 WAS KEY14X14 | 5-99 | JL | |
| | D | MON\100925 WAS MON\100345<br>HYDFC10 WAS HYDLT100W | 11-99 | JL | |
| 1964 | E | ADD: SPASNC14X12 | 12-02 | CV | |




| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 18 | SPASNC14X12 | 2 | SCREW,ALLEN,1/4,1/2,NC |
| 17 | RC402CON | 1 | LINK,CONN,40-2 |
| 16 | MON800158 | 1 | SPK,40,B,18,1 |
| 15 | MON100846 | 1 | RC402,9,18P |
| 14 | NUT38NC | 4 | NUT,HEX,3/8,NC,G5 |
| 13 | WSH38LOCK | 8 | WSH,LOCK,3/8 |
| 12 | BLT38X1NC | 8 | BLT,HEX,3/8,1,NC,G5 |
| 11 | HYD6602-8-8-8 | 2 | ADPT,TEE,08,MJIC,08,FJIC,08,MJ |
| 10 | HYD6402-8-8 | 2 | ADPT,CONN,08,MORG,08,FORG |
| 9 | HYDS2515 | 1 | BODY,COUP,QUICK,08,FORG |
| 8 | HYD6400-8-10 | 2 | ADPT,CONN,08,MJIC,10,MORG |
| 7 | HYDFC10 | 1 | VALVE,CHECK,10,MORG,10,FORG |
| 6 | HYD304-C-8 | 2 | ADPT,CAP,08,FJIC |
| 5 | HYDS7115 | 1 | TIP,COUP,SLEEVE,1WAY,#8FORG |
| 4 | KEY14X112 | 1 | KEY,STOCK,1/4,1/4,1-1/2 |
| 3 | MON\800138 | 1 | MOTOR,ORBIT,DIS,DIRVE,11.9 |
| 2 | SPK40B18X114 | 1 | SPK,40,B,18,1.25 |
| 1 | MON\100925 | 1 | BRKT,UNVRSL,MOTOR,DIS,DRIVE |

NOTE:

1.) REPLACE WOODRUFF KEY ON ORBIT MOTOR WITH P/N: KEYW15

2.) ORBIT MOTOR TO BE MOUNTED AT 45° TO BRACKET AS SHOWN. (BRACKET TO BE IN LINE WITH MOTOR FOR OLD STYLE DISCHARGE.)

| | |
|---|---|
| DRAWN BM | DATE 12-94 |
| CHECKED | DATE |
| SCALE 1:3 | BREAK ALL EDGES .03 X 45° |

DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS NOTED

PROPERTY OF
CENTER INDUSTRIES LTD.
SIOUX CENTER, IA. 51250

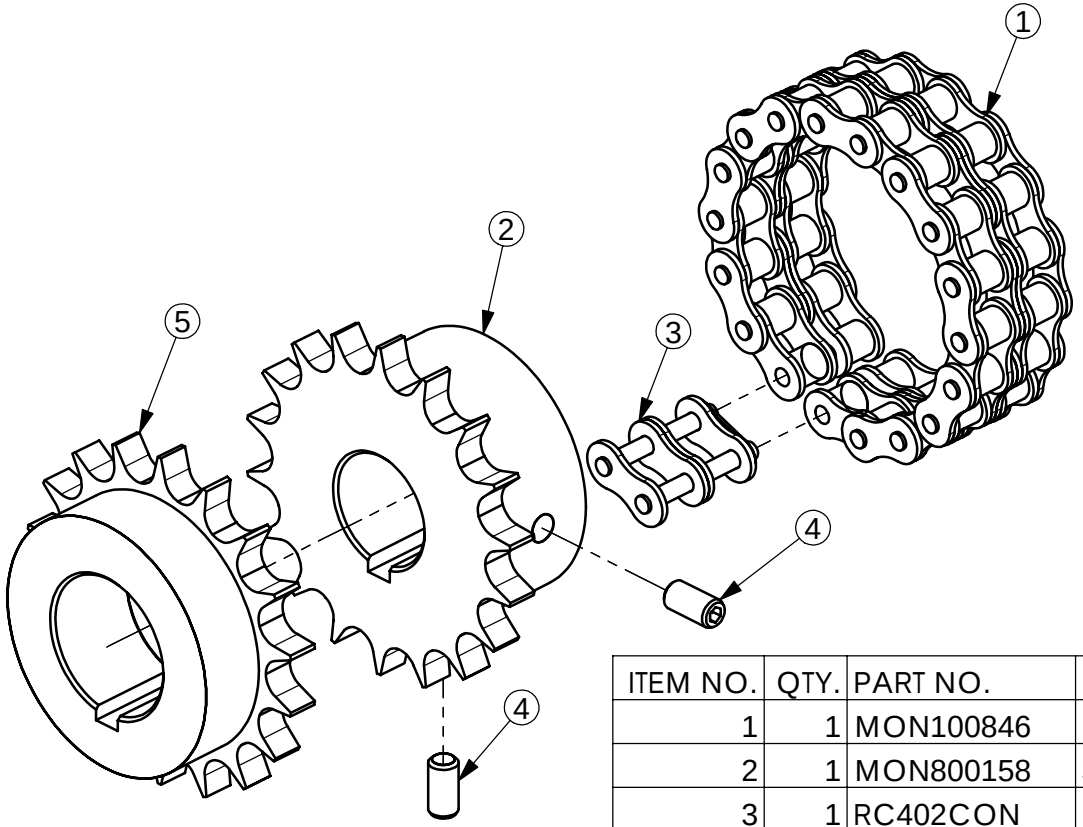
# DRIVE,DIS,ASSY

SIZE B | DWG NO. MON\700231 | REV E

DWG. NO. MON700143

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV B |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| ECN | A | MON800158 WAS MON800112 | 10-98 | VM | |
| 1964 | B | ADD: SPASNC14X12 QTY2 | 12-02 | CV | |




| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON100846 | RC402,18P,9IN |
| 2 | 1 | MON800158 | SPK,40,B,18,1 |
| 3 | 1 | RC402CON | LINK,CONN,40-2 |
| 4 | 2 | SPASNC14X12 | SCREW,ALLEN,1/4,1/2,NC |
| 5 | 1 | SPK40B18X114 | SPK,40,B,18,1.25 |

| | |
|---|---|
| DRAWN BY: BM | DATE: 4-94 |
| CHECKED | DATE |
| SCALE: 1:1.5 | BREAK ALL EDGES .03 X 45° |

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL: AS NOTED

PROPERTY OF:
**SIOUX AUTOMATION CENTER INC**
877 FIRST AVE NW SIOUX CENTER, IA 51250

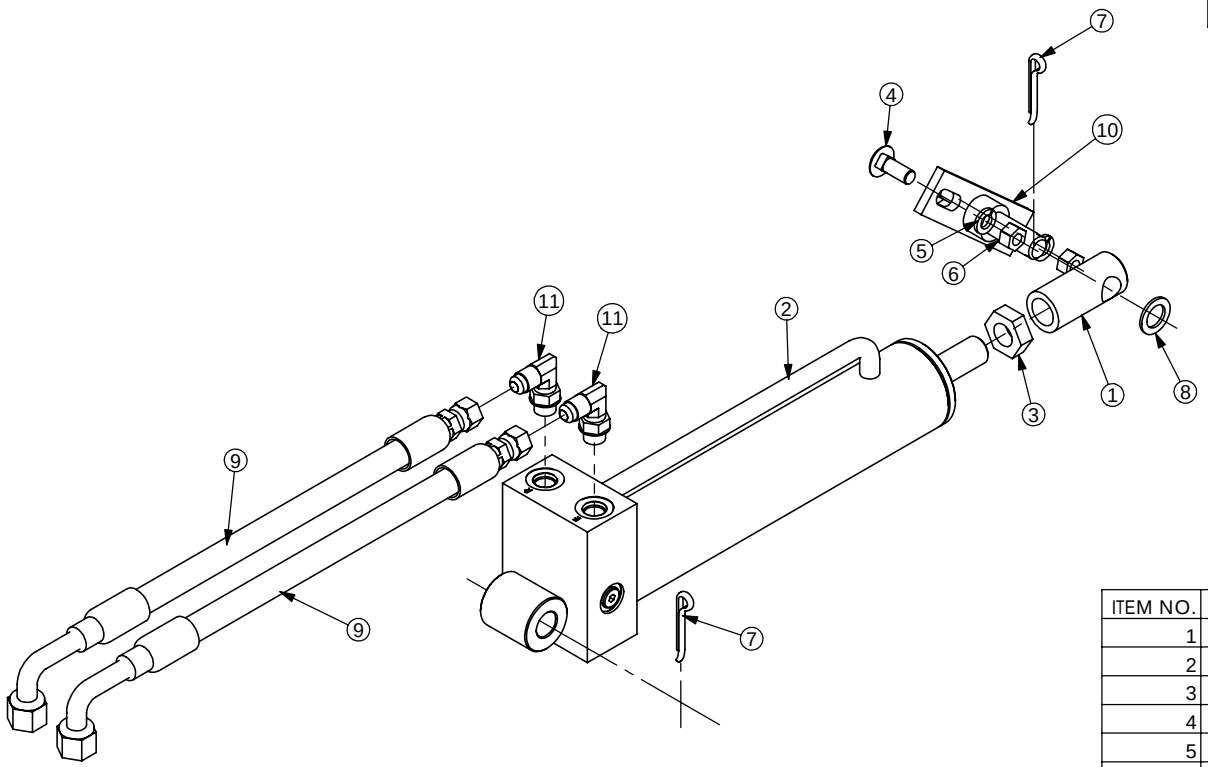
# CHAIN,COUP,DIS

SIZE A | DWG. NO. MON700143 | REV. B | SHEET 1 OF 1

DWG NO. MON700230

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV B |
|---|---|---|---|---|---|
| ECN | REV. | DESCRIPTION | DATE | BY | CHK |
| | A | MON700253 WAS MON700189 | 2-95 | VM | |
| 744 | B | MON100955 WAS MON100251<br>HYD6801-6-6 WAS HYD6400-6-8 | 12-00 | JL | |




| ITEM NO. | QTY. | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | MON100393 | BRKT,RAM,CLY,CHUTE |
| 2 | 1 | MON100955 | CYL,HYD,2,8,W/CNTRBAL,PAINTED |
| 3 | 1 | NUT34JAMNF | NUT,HEX,JAM,3/4,NF,G8 |
| 4 | 2 | BLT38X1CNC | BLT,CARR,3/8,1,NC,G2 |
| 5 | 2 | WSH38LOCK | WSH,LOCK,3/8 |
| 6 | 2 | NUT38NC | NUT,HEX,3/8,NC,G5 |
| 7 | 2 | SPCP316X112 | PIN,COTTER,3/16,1-1/2 |
| 8 | 1 | SPBUS58NR14G | BUSHING,MACH,.625,NR,14GA |
| 9 | 2 | MON700253 | HOSE,HYD,3/8,62 |
| 10 | 1 | MON700171 | BRKT,CHUTE,FLIP |
| 11 | 2 | HYD6801-6-6 | ADPT,ELBOW,06,MJIC,06,MORG,90D |

DRAWN JL | DATE 12-00

CHECKED | DATE

SCALE 1:3 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERENCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL AS SHOWN

PROPERTY OF

**SIOUX AUTOMATION CENTER INC.**

877 FIRST AVE NW SIOUX CENTER, IA 51250

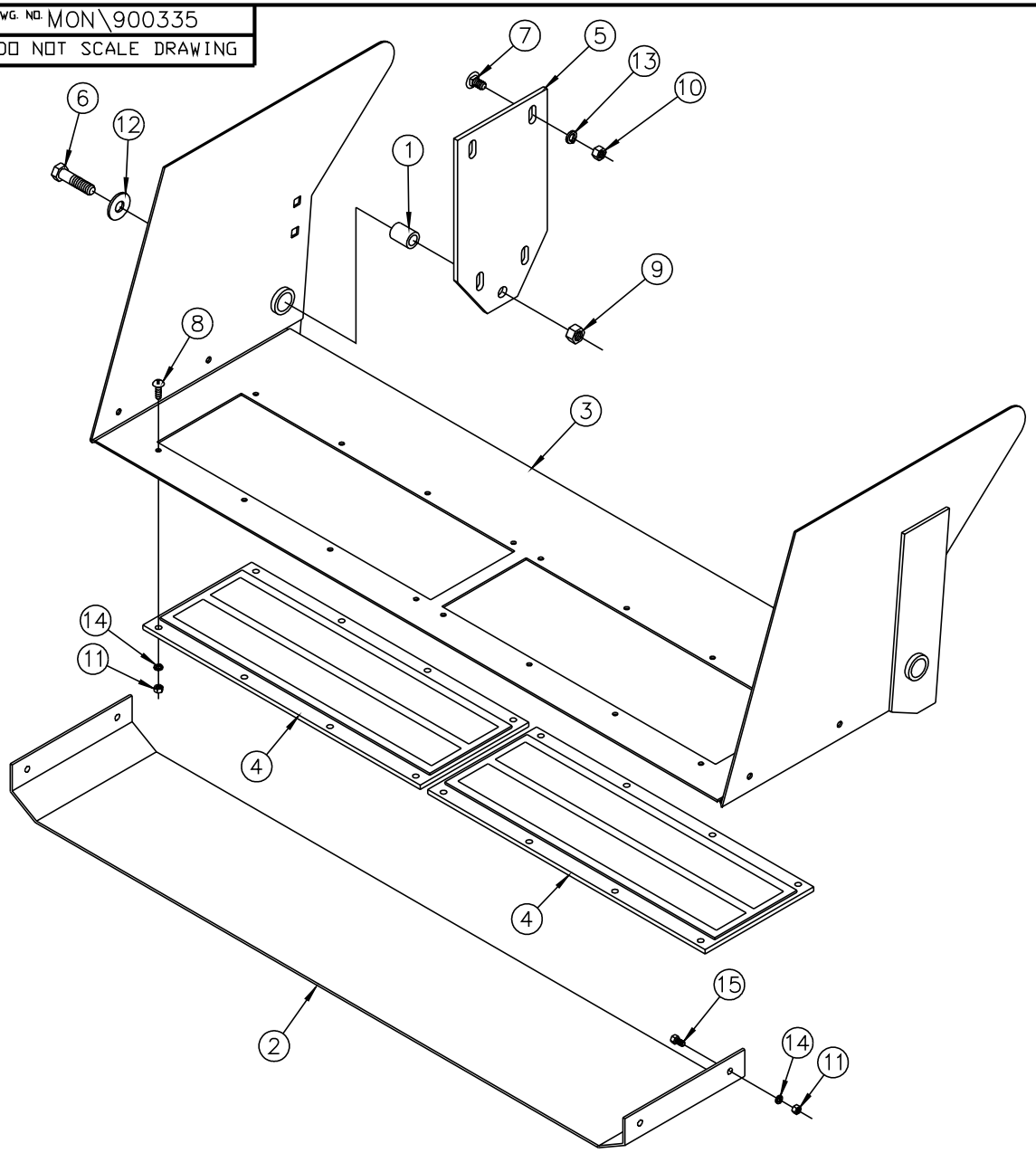
# CHUTE,FLIP,CYL,ASSY

SIZE B | DWG NO. MON700230 | REV B

SHEET 1 OF 1

DWG. NO. MON\900335

DO NOT SCALE DRAWING




| REVISIONS | | | | | REV B |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |
| | A | BLT38X1CNC WAS BLT38X34CNC | 1-00 | JL | |
| 2495 | B | DEL: BLT14X1CNC/ADD BLT14X12NC | 12-03 | CM | |

**WARNING!**

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 15 | BLT14X12NC | 4 | BLT,HEX,1/4,1/2,NC,G5 |
| 14 | WSH14LOCK | 20 | WSH,LOCK,1/4 |
| 13 | WSH38LOCK | 8 | WSH,LOCK,3/8 |
| 12 | WSH12FLAT | 2 | WSH,FLAT,1/2 |
| 11 | NUT14NC | 20 | NUT,HEX,1/4,NC,G5 |
| 10 | NUT38NC | 8 | NUT,HEX,3/8,NC,G5 |
| 9 | NUT12LOCKNC | 2 | NUT,LOCK,PUNCH,1/2,NC,G5 |
| 8 | BLT14X10NC | 20 | BLT,TRUSS,SLOT,1/4,1,NC,G2 |
| 7 | BLT38X1CNC | 8 | BLT,CARR,3/8,1,NC,G2 |
| 6 | BLT12X2NC | 2 | BLT,HEX,1/2,2,NC,G5 |
| 5 | BURN\12000254 | 2 | BRK T,DIS,CHUTE,6,8.38 |
| 4 | MON\800157 | 2 | SPMAGNET1850,KIT |
| 3 | MON\700507 | 1 | CHUTE,DIS,MAGNET,WLD,40 |
| 2 | MON\100924 | 1 | COVER,MAGNET,CHUTE,DIS,40 |
| 1 | MON\100877 | 2 | WRMDSPIPE,1.12 |

DRAWN JL | DATE 8-99

CHECKED | DATE

SCALE 1:7 | BREAK ALL EDGES .03 X 45°

DIMENSIONS ARE IN INCHES
TOLERANCES UNLESS SPECIFIED
FRACTIONAL ± 1/32 3 PLACE ± .005
2 PLACE ± .020 ANGULAR ± 1°

MATERIAL: AS NOTED

PROPERTY OF
CENTER INDUSTRIES LTD.
SIOUX CENTER, IA. 51250

# CHUTE,DIS,MAGNET,ASSY,40

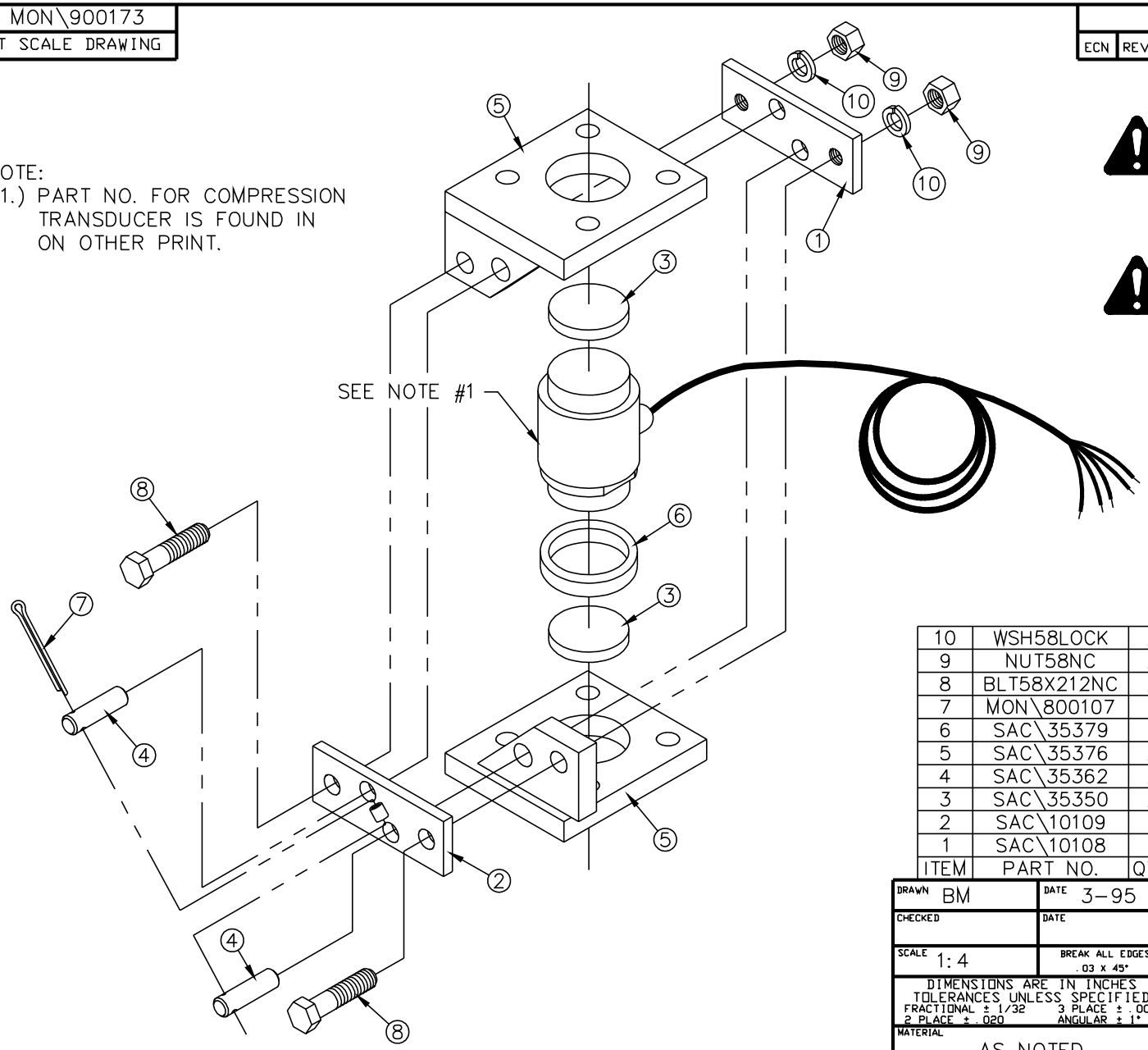
SIZE B | DWG NO. MON\900335 | REV B

DWG. NO. MON\900173

DO NOT SCALE DRAWING

| REVISIONS | | | | | REV |
|---|---|---|---|---|---|
| ECN | REV | DESCRIPTION | DATE | BY | CHK |

NOTE:
1.) PART NO. FOR COMPRESSION TRANSDUCER IS FOUND IN ON OTHER PRINT.




**WARNING!**
IF WORK MUST BE PERFORMED INSIDE MIXER A PROTECTIVE COVER MUST BE PLACED OVER KNIVES TO AVOID INJURY OR DEATH.

ALWAYS STOP MIXER AND DISCONNECT POWER BEFORE LUBRICATING, ADJUSTING, OR SERVICING THIS MACHINE.

**CAUTION!**
DISCONNECT ALL SCALE LEADS BEFORE WELDING ON THIS MACHINE.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|---|---|---|---|
| 10 | WSH58LOCK | 2 | WSH,LOCK,5/8 |
| 9 | NUT58NC | 2 | NUT,HEX,5/8,NC,G5 |
| 8 | BLT58X212NC | 2 | BLT,HEX,5/8,2-1/2,NC,G5 |
| 7 | MON\800107 | 1 | PIN,COTTER,1/4,3 |
| 6 | SAC\35379 | 1 | RING SEALING 1/2 SPONGE (OSW830409) |
| 5 | SAC\35376 | 2 | MOUNT,CELL,CT |
| 4 | SAC\35362 | 2 | PIN,STABLZR,830404 |
| 3 | SAC\35350 | 2 | SHIM LOADCELL (OSW832913) |
| 2 | SAC\10109 | 1 | STBLZR,CBAR,820130 |
| 1 | SAC\10108 | 1 | STBLZR,TBAR,830403 |

| | | |
|---|---|---|
| DRAWN BM | DATE 3-95 | PROPERTY OF CENTER INDUSTRIES LTD. SIOUX CENTER, IA. 51250 |
| CHECKED | DATE | |
| SCALE 1:4 | BREAK ALL EDGES .03 X 45° | TRUCK MOUNT CT MOUNT ASSEMBLY |
| DIMENSIONS ARE IN INCHES TOLERANCES UNLESS SPECIFIED FRACTIONAL ± 1/32 3 PLACE ± .005 2 PLACE ± .020 ANGULAR ± 1° | | |
| MATERIAL AS NOTED | SIZE B | DWG NO. MON\900173 REV |

**GENERAL SPECIFICATIONS 2050 TRUCK MOUNT**

WIDTH: MIXING CHAMBER.....86” (218 cm)
OVERALL.....87” (221 cm)

LENGTH: MIXING CHAMBER.....168” (427 cm)
OVERALL (BOX ONLY).....249” (632 cm)

HEIGHT: (DETERMINED BY TIRE SIZE).....124” (315 cm)

CAPACITY: .....508 CU/FT (14.38 $m^3$)
(STRUCK LEVEL)…….406 BUSHELS

UNIT WEIGHT: (BOX ONLY)…….....13500 LBS (6123 Kg)

BOTTOM SECTION: ..... 5/16 STEEL PLATE WITH STAINLESS LINER AND WEAR BARS

UPPER SIDES: ..... 3/16 STEEL PLATE

FRONT/REAR: .....5/16 STEEL PLATE

DISCHARGE: .....40" DISCHARGE WITH BOTH STANDARD AND EXTENDED LENGTHS HYDRAULICALLY DRIVEN; ON LEFT SIDE OF MIXER

DRIVE: .....BELT and CHAIN

MINIMUM HORSEPOWER REQUIREMENT: .....90 HP (67 Kw)